

Z-28 MK II Manual

Model: ZA-48

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

Among all the Legacy Amps that Z-Fanatics have clamored to make a return to the regular roster, the Z-28 stands at the top of the heap. From 2021 through 2022, Dr. Z took an opportunity not to just put out the “same old” design from back when the Z-28, alongside the Route 66 and Stang Ray stood firmly in the middle of his award-winning roster, but give it the MK II designation, which has been nothing but a home run in the MAZ lineup of amps. What does this mean? Why take what was such a lauded amp and mess with the recipe? Well Dr. Z has never been one to rest on his laurels, so the Z-28 Mk. II became his latest obsession.

The Z-28 Mk. II starts with his classic EF-86 preamp design: a high voltage, high fidelity, and high headroom preamp tube that literally inhales your guitar signal and fires it through the circuit path, creating a three dimensional experience unlike the more common 12ax7 preamp designs; it’s a sound that is full of harmonics, with immediate dynamic response, and percussive power. Set clean, rich, clear tones shimmer from the speaker and seamlessly integrate any effect, be it overdrive, distortion, time-based, or modulation, molding them into your playing experience as if the effects were built straight into the amp. Turn the gain up past noon and experience overdrive and even-order harmonics that are unmistakable and unique to the EF-86 design. As many players have described it, this is not unlike layering a distorted amp with a clean amp, with stunning clarity from each string, giving the overdriven signal a studio-like quality in the room.

As many Z-28 aficionados will notice, the power section has received an upgrade, sporting dual 5881 power tubes pushing the output power up to 35 bold, muscular watts. Dr. Z’s experience with these power tubes in the Z-MASTER and NOVA have put them up at the top of his design list, allowing the player to coax American-esque clean tones reminiscent of the mid 60s, but also drive them into harmonic overload similar to the classic British amps of the “Invasion” era, without the quirky artifacts found in those designs. Further separating it from both the older Z-28 and those vintage designs, the inclusion of the Mk. II-style Post-Phase Inverter Master Volume allows for volume control at any decibel level, from stage to studio, bedroom to practice room. What’s old is new again!

Also taking from the Z-MASTER, Dr. Z loaded the Z-28 Mk. II into it’s extremely resonant and lightweight cabinet, replacing the 3-hole baffle with a 1x12 design and a Celestion Creamback, a speaker noted for it’s full, articulate midrange and warm, smooth high end. The Z-faithful will also welcome the return of the red tolex (1x12 combo only) back to the lineup for this amp exclusively, matching the stylish trim of the muscle cars of yesteryear this amp takes its inspiration from. Muscular but sleek, nimble without being outclassed under the hood, the Z-28 Mk. II takes a legendary Z-AMP design into 2022.

Specifications:

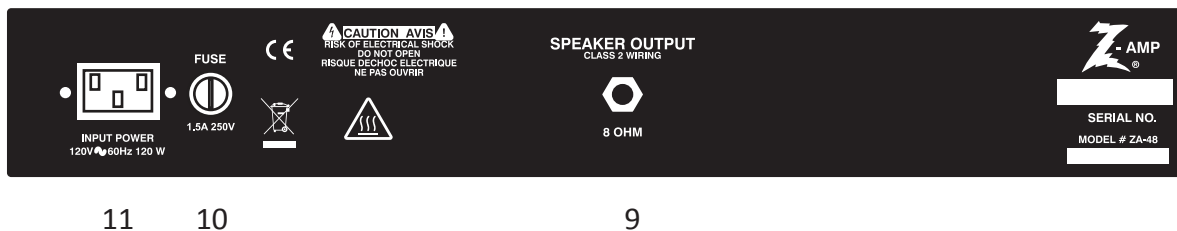
Power Output	30 watts
Output Tubes	2- 5881
Preamp Tubes	1- EF-86, 1- 12AX7
Rectifier	5AR4
Controls	Volume, Treble, Bass, Master
Speaker Outputs	8 Ohm Output
Configurations	1x12 Combo, Head
Dimensions & Weight	Head: 19" W, 9 3/4" H, 9 1/2" D; 32 lbs. Combo: 22" W, 21 1/2" H, 10 5/8" D; 42 lbs.

FRONT PANEL



- 1. Input:** Input jack for your guitar.
- 2. Volume:** Controls the amp input signal. As you turn the volume up natural overdrive will occur along with an increase in volume.
- 3. Treble:** Controls overall high frequency response. Turning from full counterclockwise to noon you will find the normal type of top end adjustment. From noon to full clockwise gain will increase on the top end and harmonics will come alive.
- 4. Bass:** Controls overall low frequency response. The bass control works the same way as the treble control. Past noon you will hear an increase in bottom end and low mid gain.
- 5. Master:** Controls the overall volume of the amp.
- 6. 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.
- 7. Power:** Switch up to turn on amplifier. Switch down to turn off amplifier.
- 8. Power Indicator:** Lights up when power is switched on. If LED fails replace with a 6.3 volt #44 Bayonet Base(BA9S).

REAR PANEL



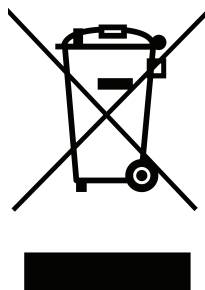
- 9. 8 Ohm Speaker Jack:** Plug in the external or internal 8 Ohm speaker here. Always have a load connected to your amp.
- 10. Fuse:** The fuse protects the amp from electrical faults. Replace only with the same rating and type stated below fuse holder (1.5A 250v SLO BLO). If the amp repeatedly blows the fuse contact your dealer or Dr. Z Amps.
- 11. 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



EC/EU Declaration of Conformity

Document: CE – ZA-48

Manufacturer: Dr. Z Amplification
17011 Broadway Ave.
Maple Heights, OH 44137 -3407
USA

We declare that the designated product (s)
DR. Z Z-28 MK II
is/are in conformity with the European Directives:

2014/30/EU EMC Directive of 26 February 2014

2011/65/EU RoHS Directive of 8 June 2011

2014/35/EU Electrical equipment designed for use within certain voltage limits

This declaration certifies compliance with the indicated directives but implies no warranty of properties. The safety instructions of the accompanying documentation shall be observed. This declaration of conformity is issued under the sole responsibility of the manufacturer.

Issuer: Dr. Z Amplification
17011 Broadway Ave.
Maple Heights, OH 44137 -3407
USA

Place, date: Maple Heights, OH USA , 01.AUGUST.2022

Legally binding signature:

M.D. Zaite, General Manager, Dr. Z Amps



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 Z-28 MK II (ZA-48) 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, even more declaring that the CE marking was affixed in the year 2001.

8 -1-2022

Michael Zaite, General Manager Dr Z Amps