



# Z-Master Manual

Model: ZA-47

[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

In 2018, Joe Walsh approached Dr. Z to recreate his favorite amp of all time: a '59 tweed Bandmaster 3×10. While touring in the early 70s with the James Gang, Joe gifted his original '59 Bandmaster to particular wind-milling British guitarist *who next* recorded a classic 1971 album using the amp. 50 years later, Joe tasked Dr. Z with recapturing the magic of the “one that got away.”

Starting with a to-spec replica of the paper wound, model 1848 output transformer (the exact model of transformer from the 50's tweed era), Dr. Z made an exacting recreation of the Bandmaster and sent it off to Joe, who was ecstatic with the resulting amp. Later in the year, after Joe requested some tweaks and alternations, Dr. Z completed the first prototype of what would become Joe's signature amp: the Z-Master.

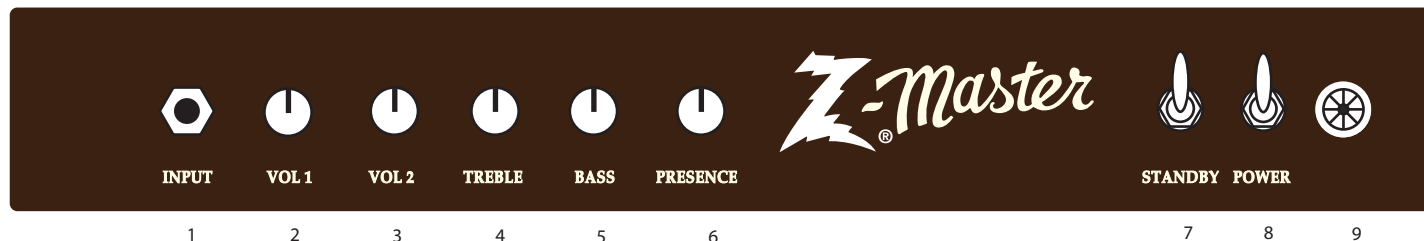
Though rooted in the '59 Bandmaster, Dr. Z and Joe designed the Z-Master to suit his playing style and his vast, unique collection of guitars, resulting in what he would authentically deem his “signature amp.” These particular adaptations include the independently voiced “Vol. 1” and “Vol. 2” controls that are internally blended, as to achieve a tonal balance to suit the specific nuance of both the player and their guitar of choice. On Joe's request, Dr. Z also pumped up the power supply of the amp to welcome the bevy of effects on Joe's pedal board, creating a sustaining clean tone full of detailed shimmer and percussive punch. The Z-Master is suited for the modern pedal effects player providing ample clean headroom early on the volume controls, or for the guitarist who simply wants to plug in and crank up, just swing the volume dials clockwise to unleash thick, tube overdrive and saturation from the alnico speakers.

The Z-Master has been road-tested through the 2018 concert calendar serving as Joe's main amp on stages worldwide. The Z-Master pumps out 30 watts through its unique 3×10 speaker configuration. It uses three, 10” paper voice coil, alnico speakers in a parallel wiring configuration, specifically designed for this amp. This creates an intentional impedance mismatch between the speakers and output transformer, which is an integral part of the sonic recipe of the amp. As the first “signature series” amp in Dr. Z history, the Z-Master exhibits a wholly uncanny voice not unlike the man himself, Joe Walsh.

## Specifications

|                               |   |
|-------------------------------|---|
| <b>Power Output</b>           | 30 Watt   |
| <b>Output Tubes</b>           | 2 - 5881  |
| <b>Tubes</b>                  | 3 - 12AX7   |
| <b>Rectifier</b>              | 1 - 5AR4  |
| <b>Controls</b>               | Volume 1, Volume 2, Bass, Treble, Presence                                      |
| <b>Other</b>                  | External and Internal speaker outs<br>Paper-wound 1848 Triad output transformer |
| <b>Configurations</b>         | 3x10 Ultra-lite Combo   |
| <b>Dimension &amp; Weight</b> | 1x12 LT Combo: 22” W, 21 1/2” H, 10 5/8” D; 42 lbs.                             |

## Front Panel:



**1. Input:** Input jack for your guitar.

**2. Vol 1:** Controls overall gain of the “bright” channel. This volume will have a brighter, less bass-heavy sound, great for tightening up humbucker guitars. It is internally jumpered with the Vol 2 control so that you can finely tune the amount of brightness into the “normal” channel.

**3. Vol 2:** Controls overall gain of the “normal” channel. This control will be fuller frequency with more bass and less treble, suited to fattening the sound of single coil guitars. It is internally jumpered with the Vol 1 control so that you can blend a fatter sound into the “bright” channel.

**4. Treble:** Controls the overall high frequency response.

**5. Bass:** Controls the overall low frequency response.

**6. Presence:** Controls the overall high midrange presence of amp.

**7. 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.

**8. Power:** Switch up to turn on amplifier. Switch down to turn off amplifier.

**9. Power Indicator:** Lights up when power is switched on. If bulb fails replace with type T47.

## Back Panel:



**10. 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.

**11. 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.

**12. Internal Speaker Jack:** Plug in the internal speakers here. Regardless of model, always have a speaker plugged into the amp when it is powered on. This will prevent damage to your amp.

**13. External Speaker Jack:** This allows you to use an external speaker cabinet. Connect an 4 ohm extension speaker for a parallel load of ~2 ohm\*. Regardless of model, always have a speaker plugged into the amp when it is powered on. *\*Internal speaker impedance mismatch is intention with this model.*

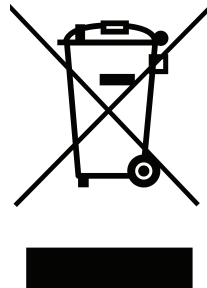




MODEL: \_\_\_\_\_

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

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



MADE IN USA



## EC/EU Declaration of Conformity

Document: CE – ZA-47

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

We declare that the designated product (s)  
DR. Z Z-Master  
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.FEBRUARY.2019

Legally binding signature:

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