



M-12 Manual

Model: ZA-33
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 Dr Z M12 gives you big tone and clean headroom with 12 watts of power. Designed with the pedal board player in mind, the EF86 front end will devour your pedals and make them sound like they are built into the amp. The M12 will become an essential tool for players that love their pedals as much as their guitars and amps. The simple tone stack gets out of the way and lets your pedals do their thing.

The M12 shares the same tone stack as the Dr Z Route 66. This allows for standard treble and bass sweep up to 12:00. Beyond 12:00 the gain increases in the respective frequencies. The loudest and cleanest tones are found between 10:00 and 2:00 on the bass, treble, and volume controls. Also up front is a Hi and Lo sensitivity switch. Much like the Hi/Lo dual input on many of our amps, this switch will yield clean sounds from hotter pickups in the Lo setting. You can also use the Lo setting for a cleaner input signal for heavy drive and modulation pedals. The Hi setting will yield the strongest dynamics and input gain.

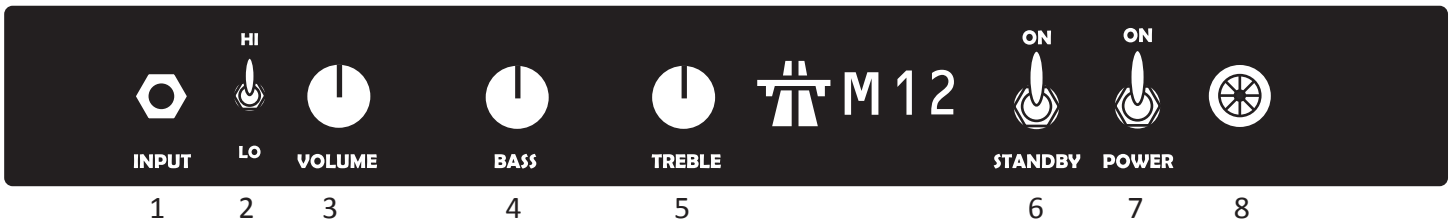
All that being said, what happens when you get things really cooking and turn the volume and treble up past 3:00? You'll find over the top dynamics, drive, and chime without ever getting harsh. Think of the M12 as the perfect half powered offspring of the Z Wreck and Stang Ray. You get the clarity of the Stang Ray with the sweetness and ease of the Z Wreck.

The M12 is available as a head, 1x10 (w/Z10), 1x12 (w/Greenback), and 2x10 (w/Z10 pair) combo. The 1x10 combo makes for a great home and studio amp that delivers a full bodied big sound for recording and rocking in a compact package. Add on a Brake Lite to the 1x10 and you'll have a great platform for playing at home while the big rig is waiting for the next show. Put the M12 head on top of a 2x12 cabinet and you have a full balanced sound ready to take to the stage.

Specifications

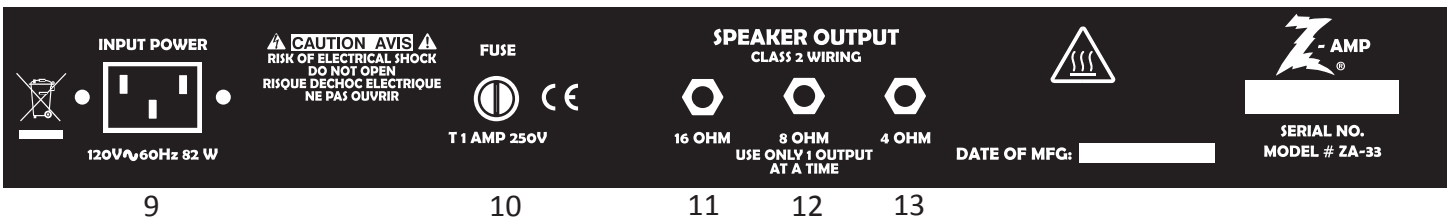
Power Output	12 watts
Output Tubes	2 - EL84 Cathode Biased
Preamp Tubes	1 - EF86, 1 - 12AX7
Rectifier	1 - 5Y3
Controls	Volume, Bass, Treble, Hi/Lo Input Switch
Configurations	Head, 1x10, 1x12, and 2x10 Combo
Colors	Black, Blonde, Red
Dimension & Weight	Head: 17 ½" W x 9" H x 9 ½" D, 29 lbs. 1x10 Combo: 17 ½" W x 17" H x 10" D, 45 lbs. 1x12 Combo: 23" W x 20 ½" H x 10" D, 60 lbs. 2x10 Combo: 23" W x 20 ½" H x 10" D, 66 lbs.

FRONT PANEL



- 1. Input:** Input jack for your guitar.
- 2. Hi/Lo Switch:** Hi/Lo sensitivity input switch.
- 3. Volume:** Controls overall amp volume. As you turn the volume up more natural drive will occur along with an increase in level.
- 4. Bass:** Controls overall low frequency response. The bass control works much the same way as the treble control. Past noon you can really dial in a thick bottom end.
- 5. 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 the natural gain and dynamics of the amp come alive.
- 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 bulb fails replace with type T47.

REAR PANEL



- 9. 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.
- 10. 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.
- 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 allow the amp to sound its best and avoid damage.



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 M-12 (ZA-33) 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, appearing to read "M. P. Zaite".

Michael Zaite, General Manager Dr Z Amps