MAZ 18NR/MAZ 38NR Manual

Model: ZA-18 / ZA-20

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.

Intro

Thank you for purchasing a Dr. Z Amp. This amplifier was designed to give you years of playing and sonic enjoyment. We are proud to forge ahead and create new tube amplifier sounds with a nod to the classics of the past. Whether you are a touring professional, weekend warrior, or basement jammer; we take your sound and need for a reliable amplifier seriously.

General Information

The MAZ 18NR/MAZ 38NR series of amplifiers are designed to give you a portable and familiar package. These amps offer the classic platform of a 12AX7 front end coupled with an EL84 power section, tube reverb, and tube rectification. You'll find this series has an unmistakable blend of classic American and English tones. They can deliver full bodied clean tones and natural overdrive all while letting you dial in the "Chime." The MAZ 18NR is great for getting classic breaking up tube tone at lower volumes. The MAZ 38NR gives you more clean headroom and low end push. Both give you great flexibility to shape your guitar sound.

Care and Maintenance

While we hope you get years of worry free use out of your Dr. Z Amp there are some basic maintenance procedures to follow.

Changing Output Tubes: If your amp starts sounding a bit dull or lacks punch it's usually time for a new set of output tubes. Changing the output tubes on your MAZ 18NR/38NR is easy. These amps are cathode (self) biased so there is no need to rebias when changing tubes. Always use a matched pair of 6n14n's (MAZ 18NR) or matched quad (MAZ 38NR) of EL84's. Always make sure the power is off and AC cord is unplugged when changing tubes. Always use caution not to burn your fingers as tubes become very hot quickly. With moderate usage output tubes should last at least a year, if not more.

Changing Pre Amp Tubes: When pre amp tubes fail it usually results in a static type noise or a ringing microphonic type sound. Pre amp tubes are easily replaced. We recommend replacing them with the same brand/type that came in the amp. We have hand selected these tubes to deliver optimal voicing.

Changing Rectifier Tube: Signs your rectifier tube (5AR4/GZ34) needs changed are fairly obvious. A bad rectifier will usually result in a fuse blowing. Power off, unplug the AC cord and replace the blown fuse before replacing the rectifier tube. Use caution as these tubes get very hot!

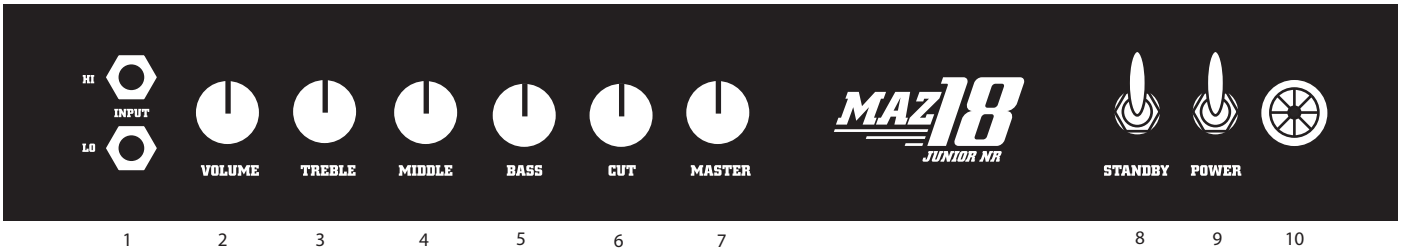
MAZ 18 NR Specifications:

Power Output:	18 Watts
Output Tubes:	2 - 6n14n
Preamp Tubes:	3 - 12AX7
Rectifier:	1 - 5AR4
Controls:	Volume, Treble, Mid, Bass, Cut, Master
Other:	4, 8, 16 Ohm Speaker Outs Effects Loop EQ Bypass (variable boost footswitch)
Dimensions & Weight:	Head: 19" W, 9 3/4" H, 9 1/2" D; 32 lbs. 1×12 Studio Combo: 19 ¼" W, 19 ½" H, 10 ½ " D; 38 lbs. 1×12 Standard Combo: 23" W, 20 1/8" H, 10" D; 40 lbs. 2×10 Standard Combo: 23" W, 20 1/8" H, 10" D; 45 lbs.

MAZ 38 NR Specifications:

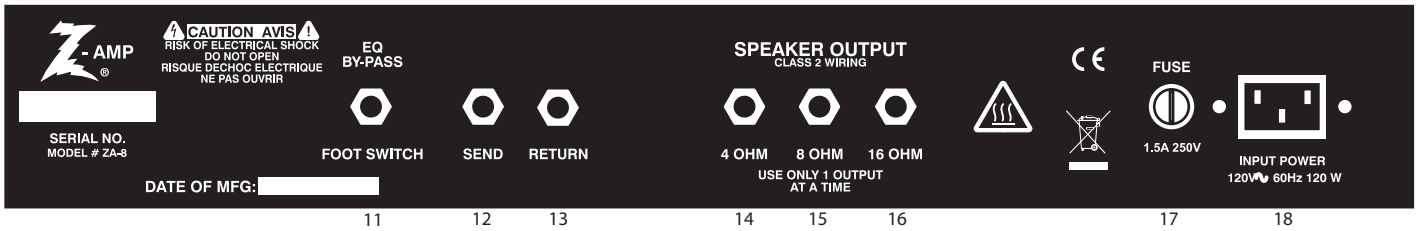
Power Output:	38 Watts (18 watts in half power mode)
Output Tubes:	4 - EL84
Preamp Tubes:	3 - 12AX7
Rectifier:	1 - 5AR4
Controls:	Volume, Treble, Mid, Bass, Cut, Master
Other:	4, 8, 16 Ohm Speaker Outs Effects Loop EQ Bypass (variable boost footswitch)
Dimensions & Weight:	Head: 19" W, 9 3/4" H, 9 1/2" D; 35 lbs. 1×12 Studio Combo: 19 ¼" W, 19 ½" H, 10 ½ " D; 41 lbs. 1×12 Standard Combo: 23" W, 20 1/8" H, 10" D; 44 lbs. 2×10 Standard Combo: 23" W, 20 1/8" H, 10" D; 49 lbs.

Front Panel:



1. Input: Input jack for your guitar. Hi is for normal use. LO has 3 dB less gain. Use LO with Humbucker equipped guitars for a cleaner sound.
2. Volume: Controls overall gain. Set over half way for over-driven sounds. Set below half way for cleaner sounds.
3. Treble: Controls overall high frequency response.
4. Mid: Controls overall mid frequency response.
5. Bass: Controls overall low frequency response.
6. Cut: Controls overall tone/presence of amp. Turn clockwise for chime.
7. Master: Controls overall amp volume and output tube compression.
8. 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.
9. Power: Switch up to turn on amplifier. Switch down to turn off amplifier.
10. Power Indicator: Lights up when power is switched on. If bulb fails replace with type T47.

Rear Panel:

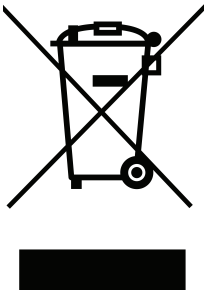


11. EQ bypass footswitch jack: Plug supplied single button footswitch in here. This will enable you to engage the EQ bypass/gain boost mode. The new variable boost footswitch features an added knob to control the amount of boost. Simply turn this knob clockwise to increase the amount of boost.
12. Send Jack: Plug an instrument cable going from this jack to the first effect in your FX chain here.
13. Return Jack: Plug an instrument cable from the last effect in your FX chain here.
14. 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.
15. 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.
16. 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.
17. 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.
18. AC Inlet: (Class I Wiring). This device is used for disconnection from power mains and must remain readily opear-able. 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

CE

DECLARATION OF CONFORMITY

We, Dr Z Amps, declare, taking this declaration under our total responsibility, that guitar amplifier model Maz 18 NR/Maz 38 NR (ZA-18/ZA-20) 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

Michael Zaite, General Manager Dr Z Amps

EC/EU Declaration of Conformity

Document: CE – ZA-18/ZA-20

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

We declare that the designated product (s)
DR. Z MAZ 18 NR/MAZ 38 NR
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.2016

Legally binding signature:

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