



Maz-18NR/Maz-38NR
Manual

Model: ZA-18/ZA-20

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.

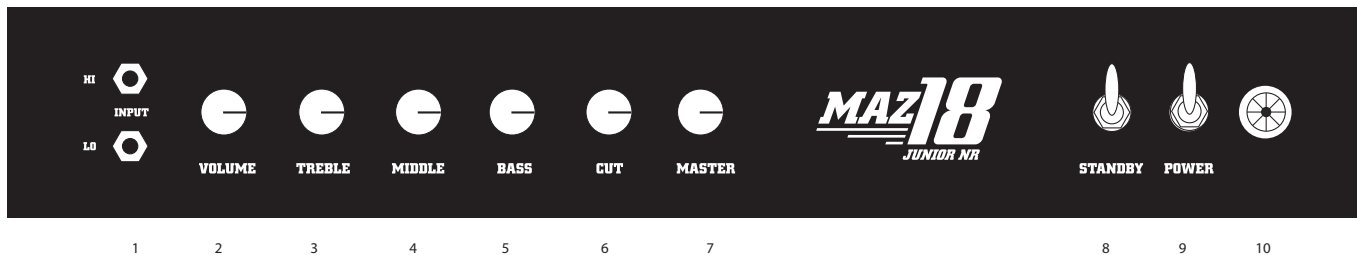
*Dr Z amplifiers are capable of producing very high sound pressure levels which can cause temporary or permanent hearing damage.

*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.

Overview:

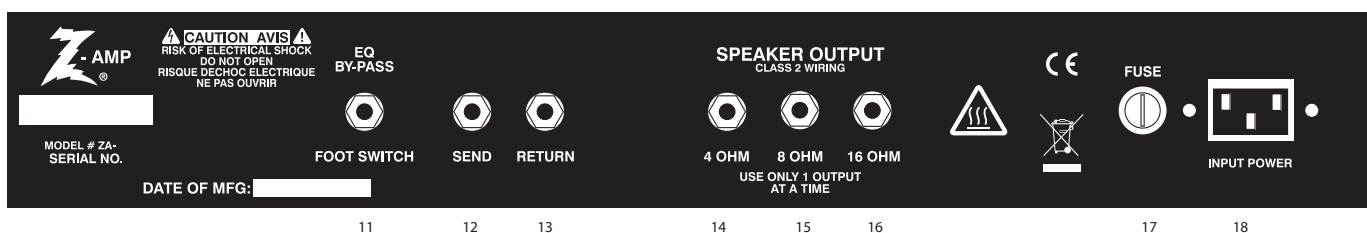
The Maz 18NR/Maz 38NR series of amplifiers was designed to give you the classic platform of a 12AX7 front end coupled with an EL84 power section and tube rectification. You'll find this series has an unmistakable English accent. It can sparkle or grind while letting you dial in the "Chime." The Maz 18 NR is great for getting classic breaking up tube tone at lower volumes. The Maz 38 NR gives you more clean headroom and low end push. Both give you great flexibility to shape your guitar sound.

Front Panel:



- 1.) INPUT: Plug guitar in here. HI is for normal use. LO has 3dB less gain. Use LO with humbucker equipped guitars for a cleaner sound.
- 2.) VOLUME: Controls loudness of amp.
- 3.) Treble: Controls overall high frequency response.
- 4.) Middle: Controls overall mid frequency response.
- 5.) Bass: Controls overall low frequency response.
- 6.) Cut: Controls overall tone/presence response. Turn clockwise for chime.
- 7.) Master: Controls overall amp volume.
- 8.) Standby: 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.
 - 12.) Send Jack: Plug "In" effects here.
 - 13.) Return Jack: Plug "Out" here.
- * Note on effects loop. This is a series loop. We find it works best for time based effects like Chorus or Delay. Plug all other gain or wah type effects through the front input jack for best results.

- 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.) 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 the power mains.
- 18.) 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.

Specifications (US only)

Model Number: ZA-18

Power: Input 120 watts (AC line cord)
Output: 18 watts nominal, 28 watts peak

Impedance: Input: 1M Ω Hi, 136k Ω Lo
Output: 4 Ω , 8 Ω , or 16 Ω . 4 Ω min load

Fuse Type: T 1.5 Amp 250v

Tube Compliment: V1,V2:ECC83, V3:12AX7, V4-5: EL84 (matched pair), V6: 5AR4

Specifications subject to change without notice.

Model Number: ZA-20

Power: Input 120 watts (AC line cord)
Output: 30 watts nominal, 50 watts peak

Impedance: Input: 1M Ω Hi, 136k Ω Lo
Output: 4 Ω , 8 Ω , or 16 Ω . 4 Ω min load

Fuse Type: T 2 Amp 250v

Tube Compliment: V1,V2:ECC83, V3: 12AX7, V4-7: EL84 (matched quartet), V8: 5AR4

Specifications subject to change without notice.

For further info visit www.drzamps.com.