

# Randall®

A M P L I F I E R S



**DIAVLO RD100H**

**100w all tube with 12AX7 & 6L6**

**3 channels + boost mode**

**Class A discrete Instrument level loop**

**Speaker emulated XLR output**

**Heavy Duty Steel Grill**

**4 button footswitch included**

#### 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 a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
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 a cart, stand, tripod, bracket, or other unit 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.



#### Randall Warranty

Randall Amplifiers, a Division of U.S. Music Corporation warrants the product you have purchased to be free of defects in materials and workmanship in normal use for a period of two (2) years from the date of original purchase. This warranty shall run to the original purchaser when purchased from an Authorized Randall Dealer. The manufacturer warrants speakers for a period of (1) years. The manufacturer warrants tubes for a period of (90) days. Defective parts found during the applicable warranty period with proof of purchase will be replaced or repaired without charge if the complete product is returned to US Music Corp or any Authorized Randall Service Center within the U.S.A. Randall reserves the right to use materials readily available at the time of the repair. All Warranty service requires Proof of Purchase (sales receipt) to be presented at time of service request. Any repair or service performed by any person of entity other than an Authorized Service Center is not covered by this limited warranty. The customer pays transportation to and from Randall factory service or any Randall Authorized Service Center. Rental stock is warranted for (1) year from date of invoice to the Authorized dealer. Warranty on rental units is not transferable.

What is covered against manufacturing defects

Parts and Labor to correct any defect in materials used and any defect attributable to workmanship.

What is not covered:

Shipping Damage. Report damage upon receipt of item to the carrier (i.e. UPS). Freight carrier must be notified upon receipt of items to insure freight damage claim resolution. Shipping damage not filed with carriers within (48) hrs upon receipt will not be covered under warranty. Report any shipping damage within (48) hrs of receipt to the Randall Customer Service Dept at 1-800-877-6863, ext. 5120. Keep all original documents and packing materials to insure freight damage claim resolution. Merchandise that has been modified after original shipment from the Randall factory. Products whose serial numbers have been altered or removed. Exterior normal wear and tear damage to the finish due to misuse, operation outside the specified ratings, neglect or accident. Warranty claims by anyone other than the original purchaser. Randall is not responsible for any items left in protective covers or cases, (We strongly advise that all personal items such as chords, cables, tuners, etc... be removed!) freight charges to and from the factory or an Authorized service center on customer owned goods, any and all charges incurred from priority service requests (Rush Service) or priority shipping for replacement parts. Any and all charges if no problem is found.

#### Return Authorization

All items being returned for any reason must have a Return Authorization number. This RA# must be placed on the outside of the carton of the item being returned or the carton will be refused upon delivery. Please call the customer service department at 1-800-877-6863, ext. 5120, for the return authorization number. Dealer stock items will be returned to the dealer freight prepaid.

An Authorized Warranty Service Center must perform any and all field warranty service work. Customer will not pay for parts and/or labor provided the problem found is within warranty guidelines. Proof of purchase must be provided at the time of service request. Transportation charges to and from the Authorized Warranty Service Center are the responsibility of the customer. Rush service charges and special freight charges for required parts are not covered under warranty and are also the responsibility of the customer. If a unit is not easily transported to an authorized service center, the customer is responsible for technician travel charges. Any charges for labor or processing when no problem is found are also not covered under warranty. Any charges incurred for work performed by an unauthorized service center are the responsibility of the customer.

Warranty terms may vary per country, check warranty terms with local Distributor or at point of purchase.

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A M P L I F I E R S



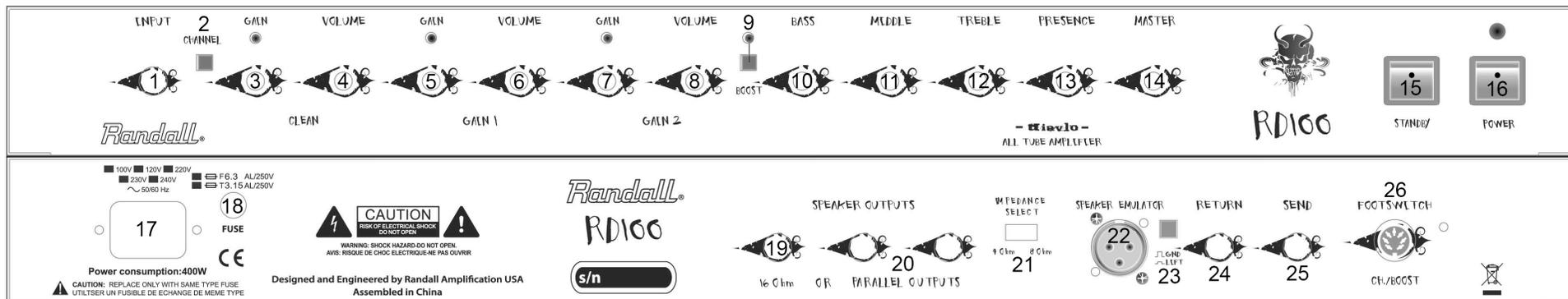
## Model: RD100H

# OPERATION

# MANUAL

For detailed product videos please visit our website at [www.randallamplification.com](http://www.randallamplification.com)

Congratulations on the purchase of your new **RANDALL** DIAVLO SERIES Amplifier! We at Randall Amplification appreciate that you chose our brand of guitar instrument amplifiers and wish you years of great tone and enjoyable playing time with your new machine. Please review the safety instructions and be aware that the documentation provided in this manual references 120volt USA versions of the models covered. Note that the POWER listed on the power supply should be for your countries' power standard.



1. 1/4" Guitar input - Plug your guitar into this jack/connector.
2. Channel Selector Switch toggles between CLEAN, GAIN 1, GAIN 2 channels- (*Individually footswitchable- Foot controller will override panel function*)
3. CLEAN gain control - this controls the amount of clean channel input signal. For the cleanest tone, turn the clean channel volume (#4) all the way up and use this clean channel gain control (#3) as the output control for this channel. To achieve a more aggressive tone from the clean channel crank the clean channel gain (#3) and use the clean channel volume (#4) to adjust output to master volume.
4. CLEAN Channel Volume - this controls the amount of clean channel signal sent to the master volume. Use this control to balance level between this and the other channels per the notes above.
5. GAIN 1 Channel Gain - This knob works as an aggressive all tube overdrive circuit. It dynamically responds with more overdrive as more input is fed from your pickups. Turn to the right for more saturation.
6. GAIN 1 Channel Volume- this control works as volume control of Gain 1 channel only- Use this to match the output levels between the channels. For cleaner tones, keep at lowest setting, turn volume all the way up and use gain knob as volume output control.
7. GAIN 2 Channel Gain - This knob works as the most aggressive all tube overdrive circuit in the amplifier. It dynamically responds with more overdrive as more input is fed from your pickups. Turn to the right for more saturation and heavy metal/rock sounds.
8. GAIN 2 Channel Volume- this control works as volume control of Gain 1 channel only- Use this to match the output levels between the channels. For slightly cleaner tones, keep at lowest setting, turn volume all the way up and use gain knob as volume output control.
9. BOOST - Adds extra layer of tube overdrive to both channels (*Footswitchable*)
10. BASS - EQ Response - turn to the right for more bass/low frequency
11. MIDDLE - EQ Response - adjusts middle frequencies- put this wherever you like.
12. TREBLE - EQ Response - Hi Frequency adjustment to the tone circuit- "more highs"
13. PRESENCE - EQ Response - this is tied to the power amp and effects the brightest frequencies, this will help tailor the sound to best suit the brightness of your guitar.

14. MASTER - Overall volume output control. This feeds the speaker output.
15. Standby/Play switch- Wait 5 seconds after powering amp on before switching from Standby to Play and visa-versa. NOTE: Leave Standby in ON position for silent operation with Speaker Emulator output (#22). (Turn Master volume off and level is fed from individual Channel preamp Gain/Volumes.)
16. Power switch turns unit on and off
17. Power cable input for mains connection.
18. FUSE - Standard electrical mains fuse protects amp from power surges and other anomalies.
19. 16 Ohm speaker output - plug in 1x16Ω Speaker cabinet:  
**NOT TO BE USED AT THE SAME TIME AS PARALLEL OUTPUTS!!! #20**
20. Parallel Speaker Outputs are to safely plug in speaker cabinet configurations noted in # 21 below:  
**NOT TO BE USED AT THE SAME TIME AS SINGLE OUTPUT!!! #19**
21. IMPEDANCE SELECT - Selects impedance of Parallel Outputs.  
4 OHM setting = 1x4Ω or 2x8Ω    8 OHM setting = 1x8Ω or 2x16Ω  
**IMPORTANT NOTE:** Never operate amplifier without proper speaker impedance plugged in!!
22. Speaker Emulator - XLR Balanced output is signal fed post effects loop from the preamp (all three channels & EQ). This signal is then sent through the speaker emulator which simulates the sound and response of a mic'd up Randall 4x12 speaker cabinet. This function is useful as a Direct send to PA/FOH for silent stages, in ear monitor feed or send to external power amp. "Silent Mode" - For direct (silent) recording, Leave STANDBY (#15) in ON position (with speaker plugged in!!!). The preamp will send signal to the XLR output and be fed from the individual channel controls.
23. XLR ground lift changes the ground connection to fix ground loops when interfacing with other equipment - use at quietest setting for best performance.
24. Class A Discrete instrument level effects loop return. This plugs into external pedal effects unit output to complete signal "loop". Also serves as power amp input so external preamp can be plugged directly to power amp section with active volume control and speaker emulator XLR output.
25. Class A Discrete instrument level effects loop send. This plugs into external pedal effects unit input and feeds signal from the individual channel gain/volume and tone knobs. Also serves as unbalanced preamp output send but will mute amp output unless return jack(#24) receives return signal.
26. Footswitch jack- 4 button switch individually controls all 3 channels + boost.