

Two-Rock

Cardiff

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OWNER'S MANUAL

Dear Customer,

Thank you for your purchase of a **Two-Rock** amplifier from Two-Rock Amplifiers, LLC.

As a discerning guitarist, you know the road to great tone begins with great components.

Our Classic Design, carefully selected parts and hand-built approach combine to make an extremely versatile instrument.

Please take the time to read this manual. We hope it will answer any questions that you may have.

We extend a warm welcome to you as a member of a select group of musicians who have chosen a **Two-Rock** amplifier.

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. Install in accordance with the manufacturer's instructions
8. Do not install near any heat sources such as radiators, heat registers, plugs, and the point where they exit from the apparatus
9. Protect the power cord from being walked on or pinched particularly at plugs and the point where they exit from the apparatus
10. Only use attachments/accessories specified by the manufacturer
11. Unplug this apparatus during lightning storms or when unused for long periods of time
12. 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
13. CAUTION: To disconnect the unit completely from the MAINS, unplug the unit. Turning the power switch off does not disconnect the unit completely from the MAINS.

Front Panel Functions



Input Jack - High impedance input to the amplifier. Plug in your instrument here.

Bass - Adjusts the bass response. In the full counter-clockwise position, low frequencies are cut. In addition, the response of the treble and mid-range controls is greatly reduced. It's easiest to start with this control at noon, then adjust to taste. In the full clockwise position, low frequencies are allowed to pass to the next gain stage.

Treble - Adjusts the high frequency response. At lower settings of this control the tone will be warmer and smoother. As you turn this control up the highs become more prominent and aggressive adding gain to the signal as well. In the full counter-clockwise position, high frequencies are bypassed to ground. In the full clockwise position, high frequencies are allowed to pass to the next gain stage.

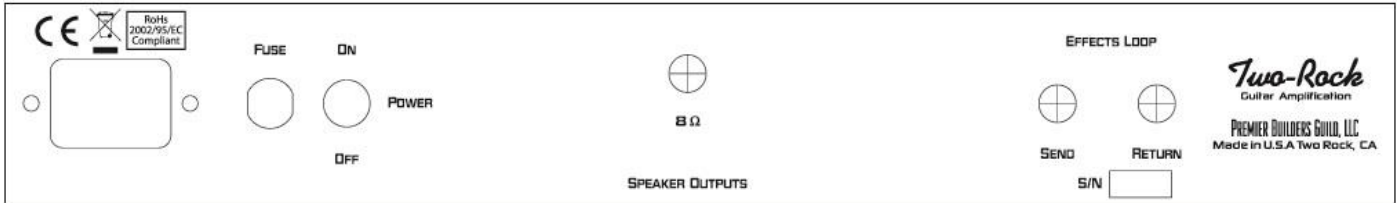
Volume - Adjusts the overall output level of the amplifier. At lower settings on this control the amp will be much cleaner sounding as well as lower in volume. As this control is turned up the power section of the amp begins to work harder which increases sustain, fullness, and touch dynamics as well as increasing the volume of the amplifier. At higher settings on this control the power section will be pushed into natural overdrive.

Contour - The contour control is an active wide band sweep. In the 12 o'clock position, the amp's frequency response is flat. Counterclockwise rotation reduces high end response and increases low frequencies. Clockwise rotation decreases low end and increases the high frequency response. This control is very useful for maintaining preamp tone control settings, while allowing a global adjustment to compensate for differences in room acoustics, speaker cabinets, or bright to dark guitars (humbucker pickups vs single coil for example). This control also actively reduces the articulation available, allowing a softer setting or extremely open and revealing, depending on your individual style and requirements.

STANDBY - This switch should be in the down/STANDBY position before you place the Power switch to the up/ON position. After 20 seconds or more, place the Standby switch in the "up" position to play the amplifier. When you are taking a break from playing the amp you can leave the amp "powered up" and simply switch to the "stand-by" position to mute the output of the amplifier and prolong power tube life.

INDICATOR LAMP - This lamp will illuminate when the rear panel power switch is in the "up" position, indicating the unit is receiving A/C power.

Rear Panel Functions



A/C Input- Connects the amplifier to A/C power via the power cord supplied. Unless otherwise specified, your amplifier is designed to operate on 120 volts A/C, 60 cycles.

Fuse- See Fuse Chart

Power Switch- Turns power on.

Speaker Output Jack - There is a single speaker output jack, designed to drive an 8 ohm load. **NEVER OPERATE YOUR AMPLIFIER WITHOUT A PROPER SPEAKER LOAD CONNECTED.** Be sure to match the impedance of your cabinet with the impedance (output) of the amplifier.

Effects Loop –

The effects loop on this amplifier is a passive type of loop, see FAQ on two-rock.com

Effects Send - Use this jack to send the amplifiers signal to outboard effects.

Effects Return - Use this jack to connect the output of your effects to the amplifier.

S/N- Your serial number is located here.

Fuse Chart

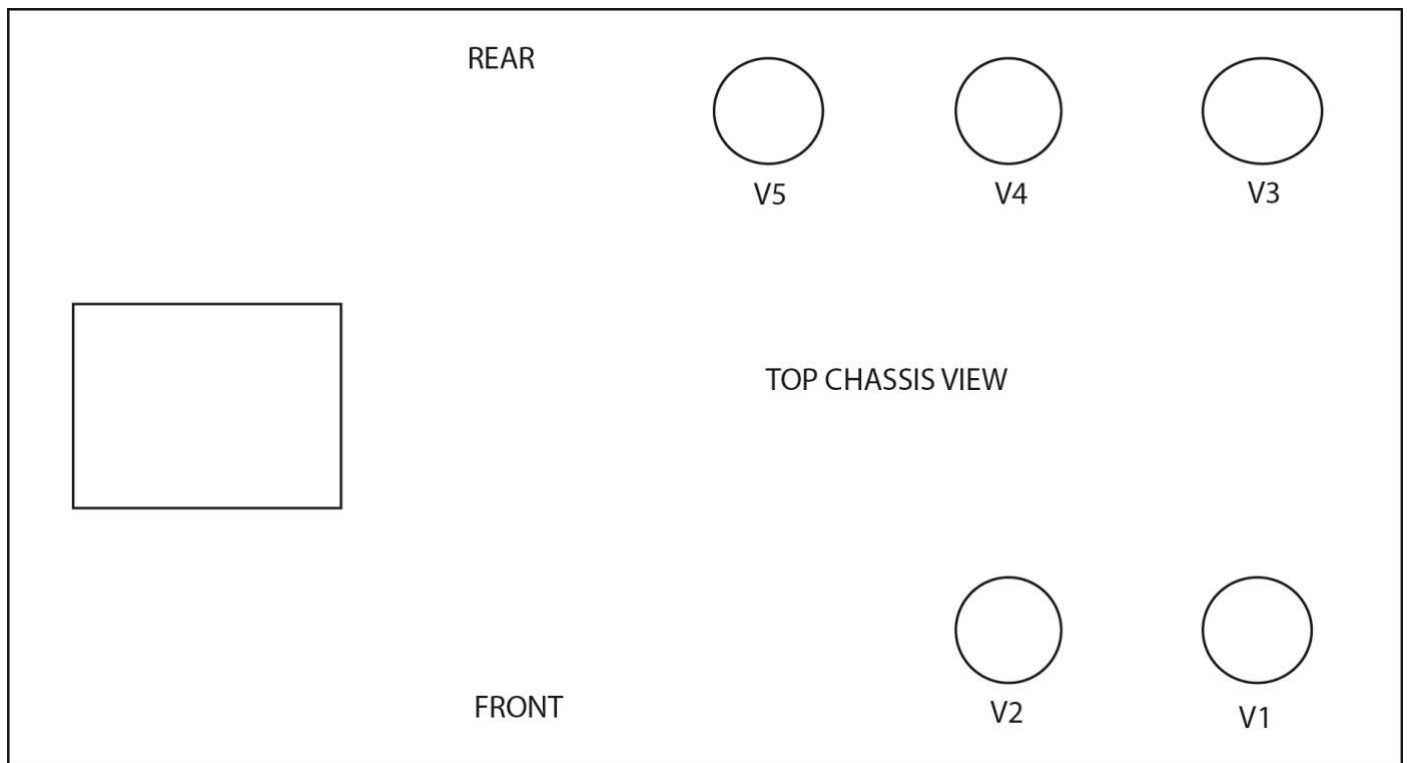
All Fuses are 3AG Type 250 Volt, SLO-BLO

Export 100V:
2 AMP

Domestic 120V:
2 AMP

Export 220V, 230V, 240V:
1.6 AMP

(Tube Complement)



V1: 12AX7, Input Gain Stage and Secondary Gain Stage

V2: 12AX7, Phase Inverter

V3 & V4: EL84 - Power

V5: EZ81 – Rectifier

Each fine production tube is tested and matched to our exacting specifications.

The power section is self-adjusting cathode biased and hence no bias adjustment is necessary.

WARNING! No user serviceable parts inside! Refer to qualified service person only.

LINE CORD- For your safety, connect to a grounded A/C receptacle only.

We know your new **Two-Rock** amplifier will provide many hours of enjoyment and inspiration in the years to come. This manual is a resource for some of your questions. Please contact us with any other questions or comments that you may have. We look forward to hearing from you!

PHONE: 1(707)584-TONE (8663) (M-F 9am-5pm PST)

ADDRESS: Two-Rock Amplifiers
619 Martin Avenue, Suite 5
Rohnert Park, CA 94928

CONTACT: info@two-rock.com

WEB: www.two-rock.com

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ROHNERT PARK, CA 94928

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SERIAL NUMBER: _____



DECLARATION OF CONFORMITY
According to EC Directive

Manufacturer: Premier Builders Guild LLC
Address: 201 S. Highland Ave., Suite 204
Pittsburgh, PA 15206 USA
Phone: 412-362-0309

Product Name: Audio Power Amplifier
Brand Name: Two-Rock
Model No: Crystal
Studio Pro
Cardiff
Sensor
Coral

Has been designed and manufactured in accordance to the following technical regulation:
Directive Device:

Low Voltage Equipment 2006/95/EC
Electromagnetic Compatibility 2004/108/EC
Conformity with the following standards:

The measurements made in accordance with the procedures according to the European Council Directive and EN Standards.

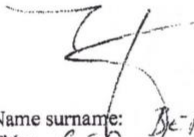
Council Directive and EN Standards:

- EN 55103-1:2009+A1:2012
- EN 55103-2:2009
- EN61000-3-2:2006+A1:2009+A2:2009
- EN61000-3-3:2013
- EN60065:2002+A1:2006+A11:2008+A2:2010+A12:2011

CE mark was affixed on the product: 2007

The product(s) which are defined herein was (were) manufactured under the conditions of the European Union directive and standards. Also, this product(s) responsibility is under our firm's guarantee.

Manufacturer
Stamp & Signature

Name surname:  BERNSTEIN
Title: CEO
Date: 8/14/2015