

Two-Rock

Studio

Signature

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.

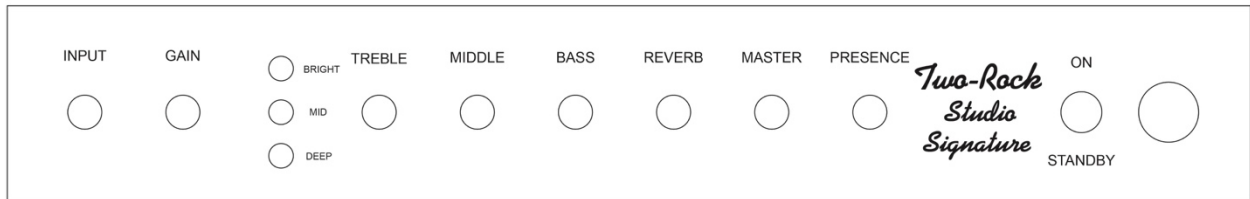
Please take the time to read this manual. We hope it will answer any questions that you may have.

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

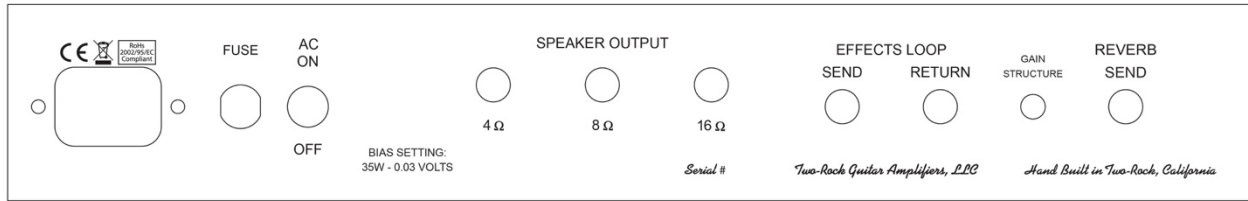
1. Read these instructions
2. Keep these instructions
3. Heed all warnings
4. Follow all instructions
5. Do not use this apparatus near water
6. Clean only with dry cloth
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions
8. Do not install near any heat 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



1. **INPUT:** High impedance input to the amplifier. Plug in your instrument here.
2. **GAIN:** Adjusts the overall gain of the amplifier. Start with this control in the 12 o'clock position.
3. **BRIGHT:** Boosts the high frequency response. This is most effective when the input gain is set at 12 o'clock or lower. The effect is less dramatic as the input gain control is adjusted past the 12 o'clock position.
4. **MID:** Boosts the mid range frequency response.
5. **DEEP:** Boosts the low and low-mid frequencies. This is a low frequency contour switch, changing the low and low-mid response.
6. **TREBLE:** Adjusts the high frequency response. 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.
7. **MIDDLE:** Adjusts the mid-range response. In the full counter-clockwise position, the tone will be somewhat "scooped" of mid-range response, emphasizing the highs and lows. In the full clockwise position, mid-range frequencies are allowed to pass to the next gain stage.
8. **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. In the full clockwise position, low frequencies are allowed to pass to the next gain stage.
9. **MASTER:** Adjusts the output level of the amplifier.
10. **REVERB:** This is the reverb return control which mixes the reverb effect signal with the dry signal. At full counterclockwise rotation, the reverb effect is defeated. Using the return control in conjunction with the reverb drive control on the back, a wide range of natural reverb effects can be produced.
11. **PRESENCE:** Adjusts the contour of high-frequency response. The high-frequency response will increase as you advance the control clockwise.

Rear Panel Functions



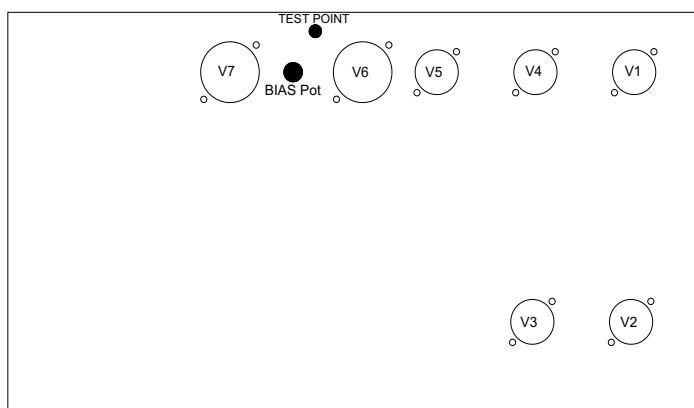
1. **A/C Input:** Connects the amplifier to A/C power via the power cord supplied. Please check to make sure you have the correct cable for the voltage rating of your country.
2. **Fuse:** See Fuse Chart
3. **Power Switch:** Turns power on.
4. **Speaker Output Jacks:** There are 3 speaker output jacks; 4, 8, and 16 ohms. **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.
5. **Effects Send:** Use this jack to send the amplifiers signal to outboard effects.
6. **Effects Return:** Use this jack to connect the output of your effects to the amplifier.
7. **Gain Structure:** The 3 position gain structure switch changes the sensitivity and overall feel of the preamp. In the down position, the amp feels similar to a vintage blackface, the middle position is much like the Two-Rock Matt Schofield Signature frontend with a hotter input stage, and the full up position is our traditional Two-Rock frontend.
8. **Reverb Send:** The reverb drive control determines the amount of signal applied to the reverb tank. Low settings will create a very open, small room reverb effect with a short decay time. Advancing the control clockwise increases the signal applied to the driver, and a very saturated effect with a sharp attack and a long decay can be obtained.
9. **S/N:** Your serial number is located here. We strongly suggest that you record this number and have it handy in case you need service, or in the event that your amp is lost, stolen, or damaged.

Fuse Chart

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

Export 100 Volt	Domestic Fuses 120V	Export 220, 230, 240 Fuses
2A – 35 Watt	2A – 35 Watt	1A-35 Watt

Tube Complement



V1 - 12AX7 - Input and Gain
V2 - 12AT7 - Reverb Send & Return
V3 - 12AX7 - Reverb Drive
V4 - 12AX7 - Effects buffer & Mixing Stage
V5 - 12AX7 - Phase Inverter
V6-V7 - 6L6

Each fine production tube is tested and matched to our exacting specifications. External bias adjustment and test points are located on the chassis near the output tube sockets. A digital multi-meter and small screwdriver are required for bias adjustment.

BIAS ADJUSTMENT PROCEDURE:

- Power up unit and connect proper speaker load
- DO NOT have an instrument connected to the input during the biasing procedure!
- Take unit off standby and allow a few seconds for the circuit to stabilize.
- Set multi-meter to read DC Volts
- With meter grounded to chassis and + probe inserted into test point, measure voltage.
- Using a small flat head screwdriver, insert into Bias pot and turn slowly adjusting Bias level

This amplifier was built for 6L6WGC short-bottle power tubes.

**Bias ranges are measured and set in volts*

**Do not set bias higher then recommend levels as it can lead to tube failure possible damage to other components in the amplifier!*

Factory Bias Setting: .030V

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

LINE CORD- For your safety, connect to 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)

FAX: 1(707)584-8661

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

SERVICE: service@two-rock.com

WEB: www.two-rock.com

PRECAUTIONS:

DO NOT expose to rain or any other moisture.

DO NOT use cleaning solvents. Wipe exterior with a clean, dry cloth only.

Refer servicing to a qualified service technician.



DECLARATION OF CONFORMITY
According to EC Directive

Manufacturer: Two-Rock Amplifiers, LLC
Address: 619 Martin Ave.
STE 5
Rohnert Park, CA 94928

Phone: 707-584-8663
E-mail: info@two-rock.com

Product Name: Audio Power Amplifier

Brand Name: Two-Rock
Model Numbers/Report Numbers:

Burnside:	R130829C, R130915
Cardiff:	R160425, SR160430
Classic Reverb(Signature):	R130829C, R130915
Coral:	R070212, R070213
Crystal:	R130829C, R130915
Sensor:	R070212, R070213
Studio Pro(PLUS):	R130829C, R130915
TS1:	R070212, R070213

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

Low Voltage Equipment 2014/35/EU
Electromagnetic Compatibility 2014/130/EU

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 products: 2007-2017

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: Mac Skinner
Title: Owner/COO
Date: 1/1/2017

Two-Rock

619 MARTIN AVENUE, SUITE 6

ROHNERT PARK, CA 94928

707-584-8663

www.two-rock.com

SERIAL NUMBER: _____