Two-Rock

Eric Gales Signature

OWNER'S MANUAL

Dear Customer,

Thank you for your purchase of a *Two-Rock* amplifier from Premier Builders Guild.

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

2. **Input Gain**- Adjusts the overall gain of the amplifier. Start with this control in the 12 o'clock position. Keep in mind that the amount of gain set here determines the signal level feeding the lead channel. Low gain settings of this control will require higher lead gain settings for the same amount of overdrive.

3. Treble Control- 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.

4**. Middle Control**- 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.

5. Bass Control- 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.

6. **Clean Channel Master Volume**- Adjusts the output level of the clean channel.

7. Lead Gain- Adjusts the input level (gain) of the lead channel.

8. Treble Control- 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.

9. **Middle Control**- 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.

10. **Bass Control**- 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.

11**. Lead Master**- Adjusts the output level of the lead channel.

12. **Stand-by Switch**- Should be in the "down" or "stand-by" position when you apply power to the unit. After a few seconds, place the switch in the "up" position to use the amplifier. You may leave the unit "powered up" and place this switch in the "stand-by" position to mute the output.

13**. Indicator Lamp**- This lamp will illuminate when the power switch is in the "up" position, indicating the unit is receiving A/C power.

Rear Panel Functions

1**. 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.

2. **Fuse**- See Fuse Chart

3**. Power Switch**- Turns power on.

4. **Power Selector**- This switch selects between two power levels (if equipped.) On 50 Watt models, the down position operates the amp in class A/B, the up position is class A. On 100 Watt models, the low position 70 Watts.

5. **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.

6. **Footswitch Jack**- The footswitch connects here. The clean/lead and tone bypass functions can only be activated via the footswitch.

- •Lead Channel Switch- Sends the instrument signal through the lead circuit, adding extra stages of gain to the signal and enabling the lead gain and lead master controls. To enable foot switch control of this function, switch must be in the down position.
- •Bypass Switch- This switch bypasses the tone controls, increasing both level and mid-range response. To enable footswitch control of this function, switch must be in the down position.

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

8. **Effects Return**- Use this jack to connect the output of your effects to the amplifier.
NOTE: This model does not utilize a full (input and output) buffered effects loop. For best results, you will need an Effects Loop Interface (ELI1 or ELI2) or similar unit.

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.

NOTE: All switches are ON in the “up” position

Fuse Chart

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

Export 100 Volt:	**Domestic Fuses:**	**Export 220,230, 240 Fuses:**
3.5- 100 Watt Signature	3.25-100 Watt Signature	1.6-100 Watt Signature
2.8- 50 Watt Signature	2.5-50 Watt Signature	1.25-50 Watt Signature

FOOTSWITCH

LEAD - BLUE LED
BYPASS - RED LED

(Tube Complement)

V1- 12AX7, Rhythm channel
V2- 12AX7, Lead Channel
V3- 12AX7. Phase Inverter
V4-V7- 6L6GC, Output OR EL34
*V6, V7- 5AR4 (50 Watt Tube Rectified)
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 voltmeter and small screwdriver are required for bias adjustment.

BIAS ADJUSTMENTS:
Power up unit and connect proper speaker load.
Set master volumes and effects return controls to zero.
DO NOT apply any signal to the input during the biasing procedure!
Take unit off standby and allow a few seconds for the circuit to stabilize.
Set voltmeter to Millivolt scale (or lowest volt scale 60 millivolts=.060 volts.)
With meter grounded to chassis and + probe at test point, measure voltage.
A reading of 0.100 to 0.120 volts is normal for 100 Watt amplifiers with (4) 6L6’s.

Do not set above .140!
For other tube types (5881, 6550, EL34) check with the manufacturer or contact us for recommendations.
Settings higher than .130 with 6L6 tubes may cause premature tube wear and possibly damage the amplifier.
Keep in mind that tubes vary in quality, and some tubes can handle upwards of 40 ma each (a reading at the test point of .160!) However, to be on the safe side, use the above as a guide.

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

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

Two-Rock amplifiers are brought to you by Premier Builders Guild.

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 6
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.

This is a product of
Premier Builders Guild

Two-Rock

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ROHNERT PARK, CA 94928
707-584-8663
www.two-rock.com

SERIAL NUMBER: _____

Two-Rock

Guitar Amplification
619 Martin Ave. Ste 6
Rohnert Park, CA 94928
(707)584-8663

CE

DECLARATION OF CONFORMITY
Report #R070212

We, Two-Rock Amplifiers, in coordination with CES Laboratories, declare, taking this declaration under our total responsibility, that the below models are in conformity with the provisions of the following EC Directive(s) when installed in accordance with the installation instructions contained in the product documentation:

2006/95/EEC	Low Voltage Directive
2004/108/EEC	EMC Directive
2011/65/EEC	RoHS-Directive

And that the standards and/or technical specifications have been applied to the following families of products:

Custom Reverb	Jet
Studio Pro	Sensor
Eric Gales	EXO-15
Classic Reverb	Bi-Onyx
TS-1	Classic Type Series
Gain Master	Matt Schofield

Signature:

Name and Title: Mac Skinner / General Manager

February 12, 2007

Approved By:
Chandra Garudachar
President
CES LABORATORIES

Prepard By:
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