

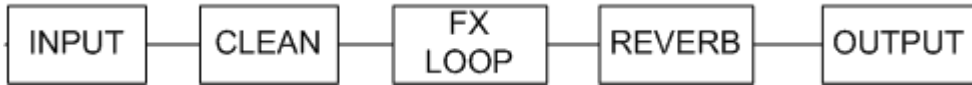


- Amps That Sing -

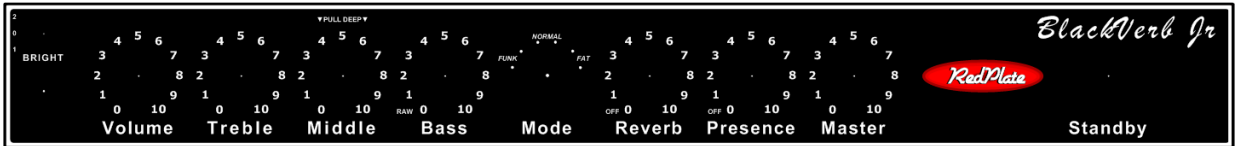
BlackVerb Jr Operations Manual

Welcome to the RedPlate Family, thank you for your purchase of a RedPlate BlackVerb Jr amplifier. Please take a moment and review this manual for an understanding of all the available features (or just put all the knobs at noon and play). This Manual applies to BlackVerb Jr models produced after 011/01/2013.

Signal Path Block Diagram:



FRONT PANEL:



Input Jack – Typical High impedance input to the amplifier. Designed to be “Pedal Friendly” for use with all your favorite pedal choices.

The Clean Preamp is designed to imitate (and surpass) all of the “classic” guitar amp preamps. The BlackVerb Jr preamp gives the player the ability to do two unique things:

1. Shift the midrange center point frequency.
2. Do a full tone stack lift. (See **Bass Control description**).

Bright Switch – Center = OFF, Down = sound of new strings, Up = normal Bright response.

Volume – Typical setting is between 3 and 5 but experimentation is encouraged

Treble Control - Adjusts highs (also upper midrange when the Mode Switch is rotated to position 6).

Middle Control – Controls the amount of Midrange frequencies, somewhat interactive with the Bass Control.

Bass Control – Sets the amount of low end. Can be rotated to zero where it clicks off for a full tone stack lift.

Mode Selector – A six position rotary switch, it steps through 5 progressively fatter positions of the midrange center frequency and achieves maximum fat midrange by engaging a MidRange Boost in position 6.

Reverb Control – Sets the amount of the reverberation effect. Can be rotated to zero where it takes the reverb out of the circuit.

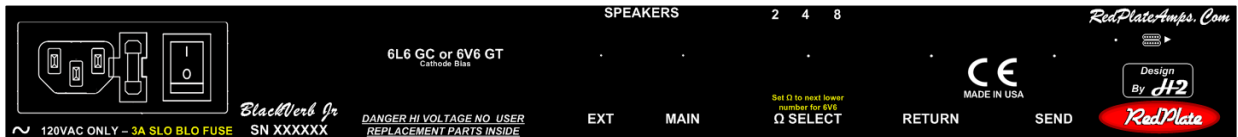
Presence Control – The presence circuit uses global negative feedback to remove low frequencies which frees up bandwidth for more midrange and highs. Think of it as a tone control to balance the relationship between highs and lows, especially when the amplifier is naturally producing increased low end at louder volumes. The control clicks off when rotated to zero for no presence (and a more aggressive tone).

Master Volume – This is an active control and actually adds gain at the higher settings. The cleanest tones are achieved at settings below 7.

Standby Switch – This switch allows the tubes to warm up before operating the amplifier. Wait 1 minute after power on to move it up to the operate position. For improved tube life and performance do not leave the amplifier in Standby position for longer than 20 minutes (better to just leave it in operate mode during performance intermissions).

REAR PANEL SECTION

Domestic (USA):



IEC Module – contains the main power switch, power cord inlet connector and the fuse drawer. To access the fuse(s) use a small flat blade screwdriver in the notch at the right side of the power cord inlet connector, the drawer snaps out in a rearward direction. The BVJRI uses the European style (5mm X 20mm) fuses. A time delay variety (SLO-BLO) is recommended. A fuse in the range of 2 to 3 Amps is fine for domestic use (110 – 125 VAC) and 1.25 to 1.5 amps is fine for Export use (220 – 240 VAC).

Voltage Selector - The export models may have a rotary switch for voltage selection; make sure the correct value is selected before applying power.

Speaker Jacks – The MAIN and EXT jacks are wired in parallel. The MAIN jack must be used first because it has a protection device. ALWAYS HAVE A SPEAKER CONNECTED TO AVOID PERMANENT AMPLIFIER AND OUTPUT TUBE DAMAGE.

Impedance Selector Ω - Set this to the total impedance of all attached speakers. When 6V6 tubes are used, set to the next lower number.

SEND and RETURN Jacks – The send jack connects to the input of an external effects device and the return jack connects to the output of an external effects device. The return jack interrupts the signal path so the external effects unit must mix the wet and dry signals.

Humbucker / Single coil Switch – Sets the amount of bass gain in the input stage, useful for matching the amplifier to the guitar type.

POWER ON/OFF PROCEDURE

1. Check the front panel Standby switch to make sure it is toggled downward for Standby operation (the Standby switch is located at the right side of the front panel next to the pilot light).


2. Toggle the main power switch to the up position (this switch is located next to the power cord inlet on the IEC module). The front panel pilot light should be lit.
3. Wait one minute and then toggle the front panel Standby switch upwards to the Operate position.
4. POWER OFF – Toggle the main power switch downward, there is no need to go into standby first although it will not hurt anything.

MAINTENANCE SECTION

Your BlackVerb Jr amp has been designed for years of trouble free operation. The vacuum tubes will need to be replaced over time. We recommend new output tubes every 160 - 240 hours and new preamp tubes every 320 - 480 hours.







The front and rear panels have a protective finish that can be easily scratched with abrasives so always use a damp soft cloth to clean them (never use paper towels). The cabinetry can be cleaned with our super secret tolex cleaner (on a paper towel - 2 squirts of WD-40 and 4 squirts window cleaner).

TUBE CHART



Model/Type: Tube Chart

BlackVerb Jr

	12AX7 PreAmp	
	12AX7 Reverb	
	12AX7 FX Loop	
	12AX7 Phase Inverter	
	6L6GC or 6V6GC	
	6L6GC or 6V6GC	

**CATHODE BIAS
DO NOT MIX 6L6 and 6V6 tubes**

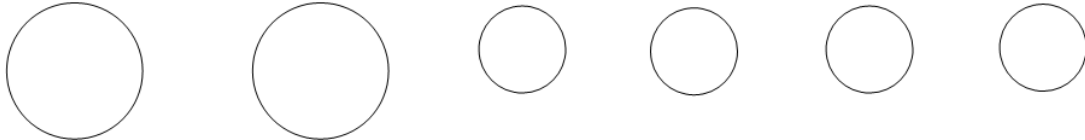
Design By
Henry Heistand
H2
Phoenix AZ

www.RedPlateAmps.com

All tube brands are acceptable, a long plate is preferred in the V3 (Phase Inverter) position.

This is a cathode biased amp so no biasing is needed or possible. 6V6 tubes can be used instead of the 6L6 GC output tubes when less power output is desired. When 6V6 tubes are used, set the impedance selector to the next lower number. **Warning – No user serviceable parts inside so unless you know what you’re doing please refer to a qualified service person only.**

INTERNAL TRIM POT



The BlackVerb Jr has an internal trim pot for PI Balance – Useful for working with unmatched 12AX7 tubes in the phase inverter position. Refer to qualified personnel for proper setting.

OTHER STUFF

40 Watts – 6L6GC tubes, 18 Watts 6V6GT tubes
12" Combo 17" X 17" X 8" - Average weight 35 pounds

RedPlateAmps Warranty

At RedPlateAmps we pride ourselves making products that are built to last. The workmanship in your RedPlate amplifier is warranted to be problem free for the lifetime of the original owner, or in the event of resale a onetime transfer to a new owner for coverage for 3 years from the original manufacture date (please inform us of an ownership change to insure coverage). The actual electrical components in your amplifier are warranted for a period of 3 years. Exclusions are vacuum tubes, reverb tanks, cables, speakers and cosmetics which are warranted for 30 days. Improper handling or product misuse or product abuse or unauthorized repair work or unauthorized modifications may nullify your warranty. Eligibility for coverage and covered items are at the sole discretion of RedPlateAmps.

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Thanks again for joining the RedPlate Family – Henry