

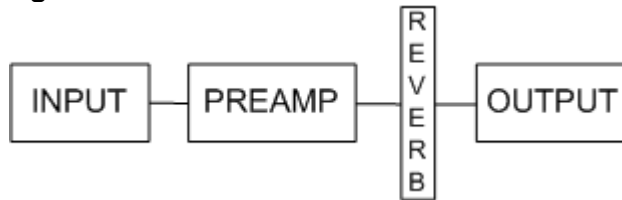


- Amps That Sing -

TweedyVerb+ **Operations Manual**

Welcome to the RedPlate Family, thank you for your purchase of a RedPlate TweedyVerb+ 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 TweedyVerb+ models produced after 09/01/2013.

Signal Path Block Diagram:

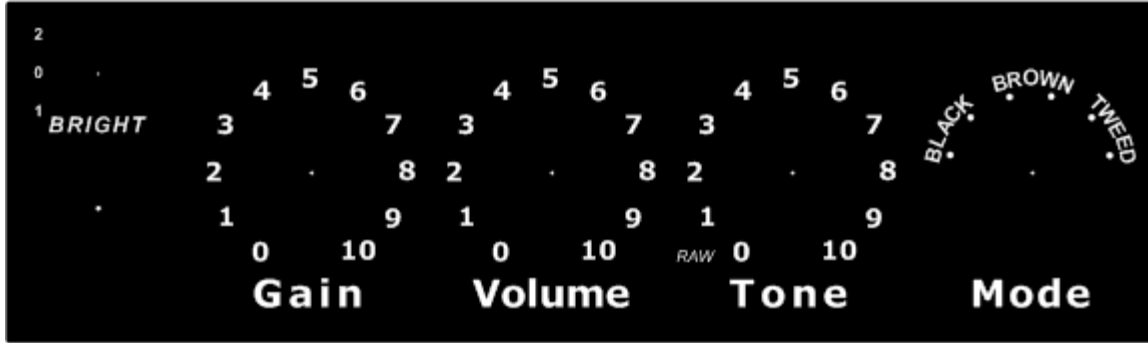


FRONT PANEL:



Input Jack – Typical High impedance input to the amplifier. Designed to be “Pedal Friendly”, it allows optimal use of your favorite pedal(s) in front of the TweedyVerb+.

TWEED PREAMP SECTION



The Tweed Preamp is designed to imitate the classic Tweed style guitar amps and do it with on board spring reverb. The TweedyVerb+ gives the player the ability to do three unique things not seen in conventional tweed style amps:

1. Get into the “sweet spot” and still be able to play at various volume levels and venue sizes.
2. Imitate the more traditional Treble Middle Bass style amps when needed.
3. Footswitch control of preamp Mode and Boost for instant personality changes.

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

Gain Control - Sets the “sweet spot” – adjust this for the amount of character you desire in your tone. Hidden feature: pull for less aggressive breakup.

Volume – This is the master volume, set it to the room size.

Tone – Treble is emphasized at settings past 5, more bass at the lower numbers. When rotated to zero it clicks off for a full tone lift. The tone lift can also be accessed instantly via the footswitch (see the **Other Features** section of this manual for details).

Mode Selector – A six position rotary switch, it steps through 6 progressively fatter positions of midrange and girth. The fattest Tweed setting is position 6 which can be instantly accessed via the footswitch (see the **Other Features** section of this manual for details).

MASTER SECTION



Reverb Control - Sets the amount of reverberation effect, takes the reverb out of circuit when rotated to zero (there will be a slight volume and tone change).

Tone/Decay - Sets the tone and length of the reverberation effect, defaults to regular standard when rotated to zero.

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.

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 long 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 TweedyVerb+ 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.

50 WATT / 40 WATT Switch –this switches between Fixed and Cathode bias. In cathode bias 6V6 tubes may be used (see Impedance Selector).

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

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.

LINE OUT – A line level signal jack derived from the speaker output which contains the whole tone of the amplifier.

Footswitch Jack - This is a standard 180 degree 5 pin DIN jack for footswitch connection. If a replacement cable is needed, make sure all 5 wires are supported. The pinout is conveniently located on the rear panel for use with automated switcher conversion boxes.

OTHER FEATURES

The TweedyVerb+ comes complete with a 2 button footswitch and a footswitch cable. The cable used is a regular MIDI cable and is readily available in any length at most music stores.

FOOTSWITCH



TWEED – Same as rotating the Mode switch to position 6, for a traditional fat tweed tone. The footswitch button has no effect if you are already on position 6 of the MODE switch on the front panel because it is a duplicate function.

BOOST – Girth Boost feature which adds volume and tone by doing a full tone lift. The footswitch button has no effect when the front panel Tone control is rotated to zero because it is a duplicate function.

POWER ON/OFF PROCEDURE

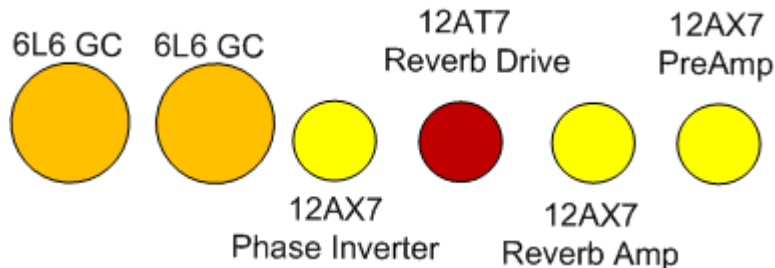
1. Check the front panel Standby switch to make sure it is toggled downward for Standby operation (the Standby switch is located at the right side of the front panel next to the pilot light).
2. Toggle the main power switch to the up position (this switch is located at the right side of the IEC input 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 TweedyVerb+ 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).

TUBE CHART



All tube brands are acceptable, a long plate is preferred in the V4 (Phase Inverter) position.

Warning – No user serviceable parts inside so unless you know what you’re doing please refer to a qualified service person only.

BIAS PROCEDURE

1. When new 6L6 GC output tubes are installed it is important to re-bias the amp for optimal performance. No biasing needed for 6V6 tubes because they can only be used in cathode bias position.
2. ALWAYS HAVE A SPEAKER CONNECTED.
3. Use a digital volt meter set to DC volts at lowest scale (MV). Makes sure the black lead is the common terminal of the meter and the read lead is the DC voltage terminal of the meter.

4. Place the Amplifier in operate mode with the Master Volume and Reverb controls set to zero.
5. Set the 50 WATT/ 40 WATT switch to the 50 WATT position.
6. Place the red meter lead in the test point hole (red tip jack) And touch (or clip) the black meter lead on one of the metal output tube retainer clips.
7. Use a small flat blade screwdriver to adjust the bias pot for a reading of $72\text{MV} \pm 5 \text{ MV}$ (FYI - the plate voltage is 470 volts). The reading is the sum of the idle current for both tubes.
8. Recheck the reading after 10 minutes of operation, and again after a week or two of operation.

ALWAYS HAVE A SPEAKER CONNECTED.

INTERNAL TRIM POT

The TweedyVerb+ has 1 internal trim pot for the PI Balance – Useful for working with unmatched 12AX7 tubes in the phase inverter position. Refer to qualified personnel for proper setting.

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