

The Revolution

The Revolution produces 45 watts from a pair of EL34's in a head format. A matching 2x12, 16-ohm cabinet is also available. The tones from the amp range from classic clean and chimey tones to a grinding overdrive.

Control Panel:

Voice: A high / high-mid gain boost that puts an edge on the tone for a more aggressive cranked rock tone

Volume: Controls the overall volume/gain of the amplifier

Treble: Adjusts the amount of high frequencies

Mid-Focus: Adjusts the low mid voicing of the tone controls. This will allow you to scoop or increase the low mids.

Middle: Adjusts the amount of mid frequencies

Bass: Adjusts the amount of low-end frequencies

Presence: Increases the gain of high frequencies in the power amp section

Cut: Reduces high frequencies in the power amp section. This can smooth out and darken the overall tone.

Master: This controls the signal output to the power tubes and overall volume. This control is bypassed when the amp is turned all the way up, allowing for classic EL34 tones.

Back Panel:

Fuse: 3 Amp fuse

Bias pot and test points: See biasing instructions

Speaker jacks: 4, 8 and 16 ohm. The matching 2x12 extension cab is wired for 16 ohm.

Biasing Instructions

These instructions are here to help you properly bias your power tubes when replacing them with new ones. To do this, all you need is a multi-meter and a small flat head screwdriver. This is a safe and quick method for biasing your tubes and keeps your amplifier functioning properly. Your amplifier has 3 bias test points, 2 Red and 1 Black (ground connection), and an adjustable bias potentiometer attached to the back of the chassis. The Red test points will allow you to read the current draw of each tube and the bias pot will let you adjust the bias current when you change your power tubes.

1. Insert new power tubes; allow warming up on Stand-by for at least 5 minutes.
2. Adjust the bias pot to the full clockwise position with a small flat head screwdriver before the amp is taken off Stand-by. This ensures that the tubes will not be running too hot before a bias adjustment can be made.
3. Set your volt meter to the lowest DC volts settings, and insert the negative probe of your volt meter into the Black ground connection. Each power tube has its own Red colored probe connection, allowing the user to check the bias of each tube. Insert the positive probe of your volt meter into either Red jack.
4. For amps using 6L6 power tubes, adjust the bias pot to give a reading between 25 to 35 mv for each tube. For amps using 6V6's adjust the bias between 18-27mv. For amps using EL34's adjust the bias between 30-40mv. Lower settings will sound cleaner with longer tube life. Higher settings will have an earlier break-up and shorter tube life. A properly matched set of tubes will generally be less than 5mv off from each other.
5. Leave the amp on for at least 20 minutes and re-check the bias. Tubes will drift over time and checking and adjusting the bias periodically will extend the life of your tubes.