

# Vibe Machine V-2

(Also applies to the Vibe Machines V-1 starting from serial 703 and up)

## ADJUSTING THE “SYMMETRY” AND “RANGE” TRIMMERS

The “Symmetry” and “Range” trimmers on the Vibe Machine are used to adjust the throbbing sound properly. The “Symmetry” trimmer sets the static level (bias) of the bulb current (light’s static level). The bulb’s peak light intensity is set by the “Range” trimmer. Both trimmers influence the symmetry and the character of the throbbing sound, so you can achieve asymmetrical or symmetrical vibe sounds.

The throbbing sound depends on the way the bulb is pulsating, so the trimmers have to be properly adjusted. The bulb pulsates from light to dark but its transition is not always at the same range. This also depends on “Intensity” and “Speed” potentiometer settings. Every Vibe Machine pedal has a unique set of matched photocells which have to be hand-adjusted in our production process. The trimmer’s position is determined by playing guitar through the pedal and listening to how it sounds.

There is NO universal factory setting for “Symmetry” and “Range” trimmers, that’s why every pedal has a slightly different trimmers positions. Usually, the “Symmetry” trimmer’s setting is somewhere between 10 and 12 o’clock and “Range” trimmer’s setting is between 2 and 4 o’clock. If you want to re-adjust the throbbing sound, make sure to mark “Symmetry” and “Range” trimmers with felt tip pen before changing their settings, otherwise you’ll be asking us how to revert them back :). Trimmers are very sensitive, even the smallest turn changes the sound dramatically, so they should be turned slowly and carefully. It is best to take your time when making trimmers adjustments so you can see how they best work for you.

## HERE ARE A FEW TIPS ON “SYMMETRY” AND “RANGE” ADJUSTMENTS:

- 1) Adjust your amp's EQ to your own liking, then connect your guitar through the Vibe Machine to your amp using no other pedals (so there is no interference to the sound from the other pedals), and select the neck guitar pickup.
- 2) Set both “Symmetry” and “Range” trimmers to 12 o'clock.
- 3) Set the “Intensity” knob to 1 o'clock, “Speed” knob to 11 o'clock and switch ON "Chorus" and "Bright" positions so you can hear all the sound frequencies.
- 4) While strumming your guitar, gently turn the “Symmetry” trimmer CCW until you hear a deep throbbing wave that *feels right* to you. If the “Symmetry” trimmer gets past a certain point while turning it CCW, you will get an asymmetrical throbbing sound.
- 5) When you find the *deep throbbing wave* you're satisfied with, slowly turn the “Range” trimmer CW and fine tune the frequencies *sweet spot* by playing the guitar while making this adjustment.
- 6) Now, if you feel that deep throbbing wave needs a fine tuning, you can always re-adjust the “Symmetry” trimmer.
- 7) You can check the overall sound and fine tune the “Symmetry” and “Range” trimmers with the “Speed” pot on slowest setting or fine tune “Vibrato” mode just with the “Range” trimmer. Keep in mind that “Range” trimmer in “Chorus” mode doesn’t have just one sweet spot point. It has *sweet spot zone*, so you can easily switch the pedal to “Vibrato” mode and find its sweet spot without affecting the “Chorus” sound.