

RAILhead Effects

Total Utter Annihilation Metalcore Distortion Manual

The TUA (Total Utter Annihilation) Metalcore Distortion has 6 controls: Volume, Presence, Bass, Mid, Treble, and Gain, labeled on the pedal as V, P, B, M, T, and G. The effect input is the jack on the right, and the output is on the left.

1. Volume controls the overall output level.
2. Presence controls how "forward" or "backward" in the mix the effect's sound is.
3. Bass controls the amount of low frequencies that remain in the mix.
4. Mid controls the amount of midrange frequencies that remain in the mix.
5. Treble controls the amount of treble frequencies that remain in the mix.
6. Gain controls just how much distortion you want.

The EQ controls are extremely interactive, and all work as roll-offs, meaning, counterclockwise will cut the upper frequencies while keeping the lower frequencies intact, and clockwise will cut lower frequencies while maintaining the upper frequencies (setting them all to 12 o'clock will be somewhere close to neutral). Each control's control is also tied to the others, so setting the Bass frequencies impacts how much mid and treble is left in the signal for those controls to manipulate. Setting the Mid impacts how much bass and treble is left for those controls. And — you guessed it — setting the Treble controls how much bass and mid is left for those controls to tweak. So, as you adjust each control, you're also adjusting the remaining frequencies for all the other ranges — and this is what allows you to explicitly dial-in and fine-tune the TUA to get *exactly* the sound you want.

If you get curious and open up the TUA, you'll notice the circuit contains several little trimpots. DO NOT ADJUST THESE TRIMPOTS. Resist the urge! Changing them will ruin the sound of the TUA!

The TUA Metalcore Distortion supports a standard "BOSS style" 9-volt center pin negative DC power supply (not included). Current draw is approximately 2mA. As stated on the RAILhead Effects web site, this pedal DOES NOT have an internal battery clip.

Thanks for purchasing the RAILhead Effects TUA Metalcore Distortion — I hope you enjoy using it as much I enjoyed building it for you! If you have any questions, comments, or need help, please don't hesitate to email me at: maury@railheadeffects.com.