



## MESHUGGAH SIGNATURE AMPLIFIER



Meshuggah amp overview:

The amp functions are pretty straight forward, 2 gain controls to tailor the gain structure, MVC is push pull for more gain compression.

HIGH input is the high gain input and both GAIN I and GAIN II work together. GAIN II has a bright capacitor across the pot so be mindful of Gain II settings 12 o'clock and below will cause high frequency top end distortion in this input jack.

LOW input is the low gain input and bypasses GAIN I so only GAIN II is active. Here you can set the GAIN II lower and get some excellent plexi grind like tones below the 12 o'clock gain settings.

MVC is your Meshuggah Volume Control and has a pull gain feature. It is normal for the volume to drop when pulled and jump up in volume when pushed it. It is also normal in the pulled position for the taper of the control to slowly change in volume. In pulled mode, most of the volume jump/change will happen at 3 o'clock. This master volume is located before the tone stack in the amplifier.

INDICATOR brightness can be adjusted by turning the bezel.



FX LOOP is a passive series insert loop. When not used it is exactly as the amps I made for Meshuggah since those did not have loops in them. Here you can insert effects but keep in mind that the signal level out of the SEND will change because the MVC is before the tone stack and loop.



DUAL BIAS on the back panel allows you to set the bias of output tubes. It is currently set to 32mV per tube. Use a Digital Multimeter. When changing tubes, always start by turning the BIAS 1 and BIAS 2 pots fully counter-clockwise, a speaker load connected, and MVC set to zero. As you turn the BIAS 1 and BIAS 2 pots SLOWLY clockwise, the tubes with starting drawing current. Jump back and forth between the two output tubes and bring them up together.

MAINS power select is below the AC input jack, switchable between 120VAC and 240VAC.

## FREDRIK & MARTEN AMP SETTINGS



MVC Pulled 8,5 (3 o'clock)

Bass 4

Middle 7

Treble 4

Gain II 10

Gain I between 3 and 5

Presence 0

Fortin 33 Fredrik Thordendal Signature Pedal  
Between 11 and 1 o'clock



These are the settings from the first gig we did:  
MVC Not pulled 4  
Bass 10  
Middle 7  
Treble 3,5  
Gain II 7,5  
Gain I 4  
Presence 4



