



vfm

volume, fading, mixing

- The VFM is a new look at providing graceful, (100% analog) control over your pedal board. The name stands for Volume-Fading-Mixing. The VFM can do all these things, at the same time.
- The VFM features a very high impedance, low noise input stage (suitable even- for passive piezo pickups) and very low impedance output stages. The Amp 2 output is transformer coupled, providing complete ground loop isolation, when using 2 amps. The VFM will drive any chain of pedals, and any length of cables.
- Transparency which has to be heard. The VFM gives that “took a blanket off my amp” tone and feel.
- The Toneczar EB Expression pedal Must be used with the VFM, and is connected with a 1/4” stereo TRS cable. The expression pedal is to be placed where it is convenient to use, and the VFM placed (on the pedal board) where it is simplest to route the patch cables to the various pedals that will be in the VFM’s “heel” and “toe” loops.
- The VFM circuit is “voltage controlled”, there is no audio on the TRS hook-up cable or expression pedal control pot. For proper operation, the expression pedal’s “Direction” toggle switch must be set “down.” Normal sweep will be with the “Taper” toggle switch in the “middle” position.
- The VFM features a “Volume” knob for each loop. The Volume knobs are active only when the loops are “on”. Unity gain is at 12:00, allowing you to “tweak” each loop volume as necessary. The VFM also functions as an active volume pedal, simply by turning the heel volume “down”, and the toe volume “up”.
- All three of the VFM’s “Amp Outputs” (Amp 1, Blend Out, and Amp 2) feature Hardwire True Bypass switching, with individual indicator LEDs – Yellow for Tuner, Green for Amp 1-Blend Out, Red for Amp 2.
- With One amp, use just the VFM’s “Blend-Out” jack, and the “Amp 1-Blend Out” foot-switch. NOTE: when the Amp 1-Blend Out foot-switch is “on” (Green LED) Both the heel and toe Volume controls are active. NOTE: the “Amp 2” foot-switch (Red LED) is Not used with just one amp.
- With Two amps, use the “Amp 1- Blend Out” foot-switch to bypass the heel loop, and the “Amp 2” foot-switch to bypass the toe loop. NOTE: when Both foot-switches are in the Bypass Mode, the VFM functions as a passive splitter box, (between the Amp 1 and Amp 2 outputs) this Will load the guitar output, and is not providing ground loop isolation. As long as the Amp 2/toe loop is “on” (Red LED) isolation is present, loading is not.
- The “Tuner-Out” is buffered, place any tuner you want there. (no tone sucking can occur). NOTE: normal operation (with both loops “on”) is to hit the “tuner” foot-switch (Yellow LED), and the VFM will mute the input, tuning is done in silence. If you desire to hear yourself while tuning, hit either the Amp 1-Blend Out, or Amp 2 foot-switch, to bypass a loop.



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- The “Blend/Crossfade” toggle switch provides the ability to “Blend” between the heel and toe loops using One amp (or, using 2 Amps- “Blend” between the heel loop/Amp 1 and toe loop/Amp 2) with no loss of volume as you sweep the expression pedal through it’s range. In the “Crossfade” position there will be a volume “dip” as you sweep into the “center” of the expression pedal’s range. NOTE: depending on which pedals are “on” or “off” in the heel or toe loops, will dictate the reaction of the Blend/Crossfade toggle, as some pedals invert the phase, some do not. The Blend/Crossfade toggle switch will also be useful in correcting or creating an “out-of-phase” condition between two different amps.
- Pedals may still be placed both before, and after, the VFM and foot-switched manually. Pedals which do not like a buffered input (like the classic fuzz face) should not be placed in the loops, but in front of the VFM.
- 18 volt DC operation. A Dunlop 18v regulated wallwart is supplied for USA, UK, or Europe (choose when ordering). Power jack is the standard 5.5 x 2.1 mm. center tip- negative.
- The VFM can be powered by any version of the Voodoo Lab Pedal Power, by using a “Y” power cable, and two Pedal Power outlets. (NOT the Line6 outlets 5 & 6) NOTE: set the Pedal Power DIP switch to “ON”. This will “bump” the combined voltage from 18v to 24v, offering peak performance, lowest noise and line-level headroom. NOTE: DO NOT use a single L6 outlet (DIP switch ON) to power the VFM, as this is only 16v and is Not regulated, this will result in poor headroom, noise, hum and hiss. NOTE: a custom “Y” power cable can be “exchanged” for the supplied wallwart. Please specify this (and “Y” cable length) when ordering.
- No aluminum electrolytic or ceramic caps in the signal path. No internal trim pots.
- The housing is heliarc welded .120 wall 1020 mild steel, with a .060 aluminum bottom plate, attached with four threaded rubber feet.
- Industrial nickel plating, standard. NOTE: this finish is designed for durability. It is not a “show” finish. It will be full of “character” and will take on a beautiful patina as it ages. These boxes are designed to be installed permanently on a pedal board and “stepped” on, not polished with a soft cloth and admired.

SPECIFICATIONS

Input Impedance: > 1.0 Meg ohms

Output Impedance: < 10K ohms

Volume adjustment range: 0 to +6 db

Current Consumption: 70ma. @ 18v dc.

Signal to noise: 80 db

Dimensions: 6 1/4” W x 4” D x 2 1/4” H (knobs add 1” to height)

Weight: approximately 4 lbs.