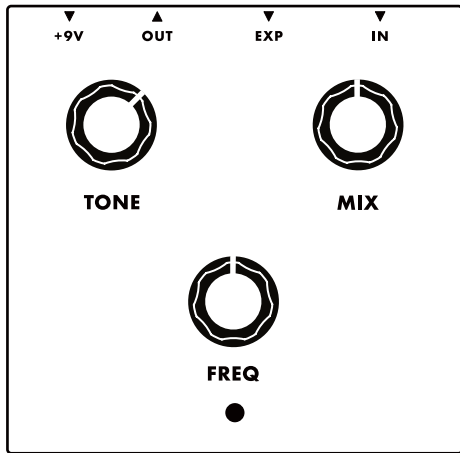


# WHAMMY (Use Moog EP-3 set to maximum)



**EXPRESSION PEDAL INPUT** - This input is assigned to the Freq control. Use it to specify two independent playing keys or create classic sci-fi swells, bit reduction effects, and whammy dives. This input is additive and will allow you to go past the panel settings.

**NOTE:** Use the Freq control to tune your MF Ring to the Root Note of a Scale. Play notes within that scale to achieve the most musical results.

## SPECS

**SIGNAL PATH:** 100% Analog

**BYPASS TYPE:** True bypass

**POWER:** +9VDC

**WEIGHT:** 18oz (0.5kg)

**ENCLOSURE:** Cast aluminum

**DIMENSIONS:** D=5.75" (14.4 cm) W=3.25" (8.3 cm)  
H=2.25" (5.8 cm)

**FREQUENCY CONTROL:** Oscillator range is 90Hz - 1.5KHz nominal; Max with expression 12KHz

**TONE CONTROL:** 165Hz - 20KHz Lowpass Filter  
6dB/Octave (wet signal only)

**EXPRESSION:** Controls Freq (Max Input level +5VDC. Response of internal oscillator is not linear above +4V input)

**INPUT IMPEDANCE:** 1 MegaOhm

**OUTPUT IMPEDANCE:** 200 Ohm

**CURRENT:** 12mA

## REGISTRATION

Register your Minifooger & double Moog's warranty.

[WWW.MOOGMUSIC.COM/REGISTER](http://WWW.MOOGMUSIC.COM/REGISTER)

Moog Music warrants that its products will be free from defects in materials and workmanship, and shall conform to specifications current at the time of shipment, for a period of one year from date of purchase. For Warranty details please visit [www.moogmusic.com/warranty](http://www.moogmusic.com/warranty)

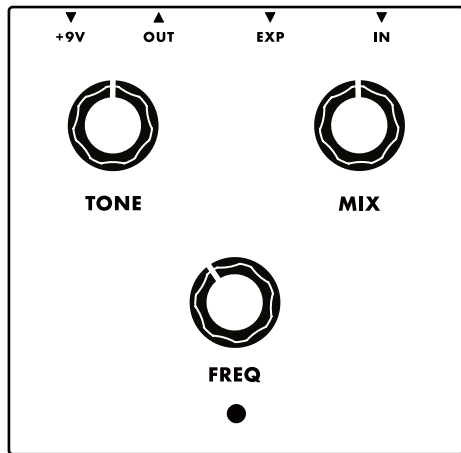
**moog**



# MF RING

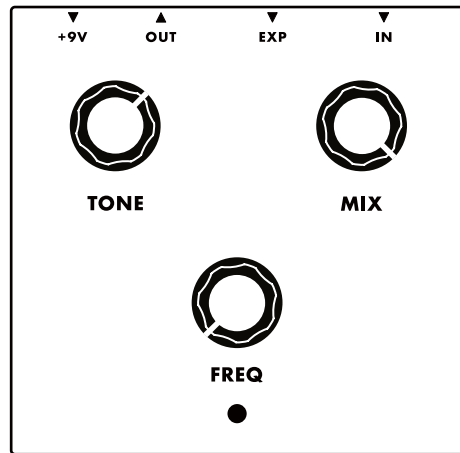
QUICK START

## JAM IN E (Tune FREQ to E String)



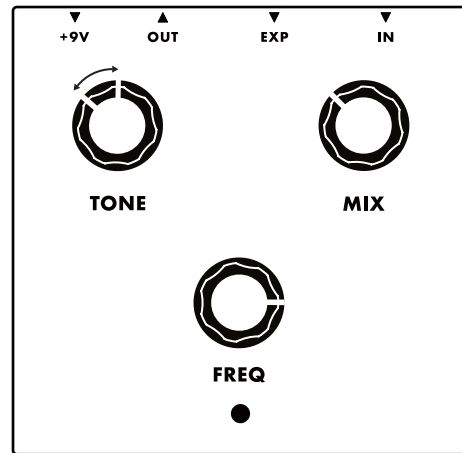
**TONE** - A filter circuit only applied to the effected signal. This allows you to leave in the MF Ring's natural high frequency chime and buzz, or dial it down for a warmer, more musical character. Because the tracking of the MF Ring is so accurate, this control is particularly useful for dialing in sounds that accompany lead lines, bends, and even chords. It is the perfect way to add unique texture to an idea without it overtaking the sound of your instrument.

## BELLS



**MIX** - Sets the amount of input versus modulated signal. A ring modulator outputs the sum and difference frequencies of your instrument and the carrier oscillator (FREQ). At lower to medium levels, the MF Ring can be used to accompany and accentuate notes. As Mix is increased, you will notice more synthesized and bell-type sounds. At maximum, the input signal is completely gone and only sum and difference frequencies are heard. This is perfect for creating wild robotic and electric sounds.

## HARMONIC LEAD



**FREQ** - Tunes the frequency of a carrier oscillator to the root note in a scale. The range of this control has been refined to be extremely musical. At lower settings chorus and octaves occur on notes within a chosen scale, while beating and extreme dissonance occur on notes played outside of that scale. At Mid position the sound is buzzy and tight. This is great when paired with drive for octave-fuzz sounds. At the maximum position the sound is much more synthesized and robotic.