

moogerfooger®

analog effects modules



Bring the rich sound, expressive control and processing flexibility of classic analog modular synthesis to your own performances. Plug in any of your instruments - guitar, bass, keyboard, mixer, you name it - and experience the power, warmth and smoothness of today's best analog circuitry. Come in under the radar with subtle tone color changes, or swing into high orbit with radically new sound transformations, or place yourself anywhere in between. Play the controls from the front panel, with expression pedals, or from external control signals. The world of analog effects modules is here for you to explore, to enjoy, and to incorporate into your music.

Big Briar

ELECTRONIC MUSICAL INSTRUMENTS

www.bigbriar.com



Here are the four moogerfooger models. The MF-101 Lowpass Filter is an authentic update of the classic "MOOG" Filter, plus an envelope follower for automatic filter sweeps. The MF-102 Ring Modulator produces an amazing range of "ring mod" effects. The MF-103 Twelve-Stage Phaser imparts classic 6-stage or 12-stage phaser effects at an

extremely wide range of rates. And the CP-251 Control Processor enables you to connect your other moogerfoogers and analog synthesizer gear into a versatile and powerful modular synthesizer system. Turn the page for complete descriptions of Big Briar's award-winning line of moogerfooger Analog Effects Modules.

MF-101

lowpass filter

This is the classic MOOG filter that changed the sound of electronic music.

As you turn the CUTOFF control down, you hear your sound's overtones dropping out, one by one, slowly for warm expressive dynamics, or rapidly for dramatic horn-like and plucked, string-like effects. Turn up the RESONANCE for a wide range of electronic vocal effects. Or use the ENVELOPE to shape the sound automatically as you play your instrument. This is the most playable, as well as the best sounding filter that you can have.



Winner of the July 1999 *Guitar Player Magazine's* "Editor's Pick" award.



MF-102

ring modulator

All-analog ring modulator with wide-range carrier oscillator and dual-waveform LFO.

The MF-102's Ring Modulator section rebuilds your sound into two separate tones, and then uses the internal carrier oscillator to spread those tones apart in the frequency spectrum. The higher the carrier oscillator's frequency, the more those tones are separated. The effect on your playing can range from slow, velvet-smooth tremolo, to chains jangling on a Chinese Gong, to classic 'outer space' sounds. The LFO (Low Frequency Oscillator) imparts vibratos, trills, and siren effects. You want unlimited new sounds? Here they are!



Winner of the July 1999 *Guitar Player Magazine's* "Editor's Pick" award and *Electronic Musician 2000* "Editor's Choice Award".



Jacks for Pedal/Voltage control of Cutoff, Resonance, Mix, and Envelope Amount.

Set the amount that your sound's envelope sweeps the filter.

Select Fast Envelope response for punch, or Smooth Envelope response for more-gentle action.

Crossfade from direct to filtered sound.

Jacks for Audio In, Audio-Out and Envelope Control Out.

Sweep the filter over the entire audio spectrum.

Select Four-Pole response for classic MOOG Filter sound, or Two-Pole response for a brighter sound.

Turn up the Resonance to go from horn-like effects, to vocal effects, to screaming oscillation.



Jacks for Pedal/Voltage control of LFO Amt, Rate, and Mix. LFO Control Out, Carrier Frequency, and Mix.

Set the amount that the LFO sweeps the carrier oscillator.

Select Square wave for trill effects, or Sine wave for smooth vibrato effects.

Set the LFO rate from one cycle every ten seconds, to 25 cycles per second.

Jacks for Audio In, Audio Out, and Carrier Input to Ring Modulator.

Crossfade from direct to ring-modulated.

Select Low range for carrier frequencies down to one cycle every two seconds, or High range for carrier frequencies up to 4,000 cycles per second.

Set the frequency of the carrier oscillator.



Bob Moog's signature is your assurance of high-quality analog synthesizer gear.

MF-103

twelve stage phaser

Classic six-stage and twelve-stage phaser with extremely wide-range LFO (Low Frequency Oscillator)

Tailor your phaser effects far beyond what was possible with the classic phasers of the '60's and '70's. Shift the phasing back and forth 'by hand' with the SWEEP control, then adjust the width of the motion with the AMOUNT control, the depth with the RESONANCE control, and the speed with the RATE control. Produce swirling, shimmering, vibrating effects, fill a whole stage from one sound source, and create brand new sonic textures. Create phaser effects that are so slow and subtle that they operate on a subliminal level, or so fast that your instrument's sound becomes virtually unrecognizable, or anything in between.



CP-251

control processor

Eight separate modular synthesizer functions for generating and processing control voltages.

Control voltages are the 'invisible hands' that create musically-interesting changes in **moogerfooger** effects modules and other voltage-controlled synthesizer gear. The CP-251 generates and processes control signals. It does not process audio signals. Rather, it works with other **moogerfoogers** to expand the range of effects that you can produce.



Winner of the Electronic Musician 2001 "Editor's Choice Award".



Jacks for Pedal/Voltage control of LFO Amount and Rate, and Phaser Sweep and Resonance.

Vary how much the LFO sweeps the phaser.

Select Low range for LFO rates down to one cycle every 300 seconds, or High range for LFO rates up to 250 cycles per second.

Set LFO rate.

Jacks for Audio in, two Audio outs, LFO Control Out, and Aux Sweep In.

Sweep the phaser over its entire response range.

Select Six-stage response for classic phaser sound, or Twelve-stage for smoother 'premium' phaser effects.

Vary the intensity (depth) of the phaser effect.

Lag Processor smooths off control signals with sharp edges.

Four-input control signal mixer.

Four-jack Multiple for sending a signal to two or three destinations.

You can plug an expression pedal directly into any of the jacks with red nuts.

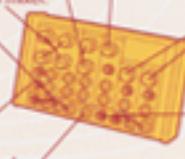
Noise Source may be used as a control or an audio signal.

Voltage-Controlled Low Frequency Oscillator

Two Attenuators.

Convenient-size enclosure fits into a three-unit half-rack space when the end caps are removed.

Sample and Hold Circuit produces a wide variety of stepwise or smoothly-varying control signals.



moogerfooger effects modules enable you to:

- Process your keyboard, guitar, bass, vocals, etc, with AUTHENTIC ANALOG SYNTHESIZER effects.
- Get an ENORMOUS RANGE of effects from each module, from the most subtle to the most extreme.
- Shape your effects expressively, in REAL TIME.
- Patch modules together with regular audio cables to CREATE your own NEW EFFECTS.
- Choose how you play them - on the floor, on your keyboard, near your mixer - with your HANDS, or your FEET, or both.

All moogerfoogers have these important features:

- ALL-ANALOG AUDIO CIRCUITRY for warm sound and smooth overdrive.
- TOTAL PEDAL/VOLTAGE CONTROL of all performance parameters. Use the panel knob, an expression pedal, or an external control signal to play every parameter over its entire range.
- WIDE-RANGE AUDIO INPUTS accept all line-level and instrument-level signals.
- Informative, illustrated USER MANUALS explain the operation in musician's language, and give several examples of how to use the devices.
- Bob Moog's signature is your assurance of the high-quality analog synthesizer gear.
- Big Briar's full one-year warranty

CLASSIC MODULAR SYNTHESIZER panel layout

CLASSIC MOOG-STYLE knobs and switches.

Classic effects with the latest analog technology.

REAL HARDWOOD sides, and black-enameled panel.

MULTICOLOR LEDs indicate status and levels.

SMOOTH-ACTING SWITCH for hand or foot actuation.

Panel/control input jacks enable all performance parameters to be controlled by expression pedal or external control voltage

Audio inputs accept any line level or instrument level signal

Loads of input and output jacks give you analog synthesizer flexibility



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