

AMOUNT CONTROL: Attenuates the signal applied to the DESTINATION switch.

DESTINATION SWITCH: Sends the keyboard touch modulation signal to one or more of six control inputs.

SYNCH A TO B: In this position of the DESTINATION switch, oscillator A is reset by oscillator B which locks the fundamental frequency of A to B. Modulation routed into oscillator A shifts the harmonic structure of A resulting in dynamic spectrum changes.

SAMPLE & HOLD

FUNCTION: Samples noise source at rate set by modulation oscillator to yield randomly changing control steps that occur at a regular tempo.

S & H AUTO: Modulation oscillator triggers contours synchronously at the beginning of each control step. Trigger duty cycle = 50 %.

S & H KBD: Sampling rate still set mod. osc. but keyboard alone triggers contours.

GLIDE

Exponential portamento adjustable from 1 millisecond to 5 seconds with GLIDE ON/OFF switch. Glide stops when no key is depressed.

RIBBON

Supplies pitch bend signal to oscillator A or oscillator A and B, determined by the RIBBON ROUTING switch. Automatic reset to center when ribbon is released.

EAR PANEL

LOW AUDIO OUTPUT: -10 dBm max level at 1K output impedance

HI AUDIO OUTPUT: +12 dBm max level at 1.5 K output impedance. Will drive headphones.

S-TRIG OUTPUT: Output trigger occurs whenever contour generators are triggered but can be disabled by front panel KBD & TRIG EXT OUTPUT switch. Compatible with all Moog Synthesizers and Accessories. (An S-Trig is a "switch" or closure to ground.)

KBD OUT: Keyboard voltage with glide at 1 volt per octave adjustable over +10% range. Front panel KBD & TRIG EXT OUT switch turns KBD OUT off, or on without ribbon, or on with ribbon. May be used as keyboard input to override keyboard control voltage when adjustment pot is in click position.

RIBBON OUTPUT: ± 6 VDC full scale with $\pm 20\%$ adjustment

KBD FORCE: Outputs 0 to 6 VDC from FORCE SENSOR mechanism under keyboard.

GLIDE ON/OFF: Provides glide ON/OFF control with an external foot switch (front panel GLIDE on Position).

MODULATION: This input/output jack allows an external switch to turn modulation on and off, or an external pedal to control amount of modulation. May also be used to route modulation signal to external equipment or feed in modulation signal from external equipment.

FILTER INPUT: Allows external voltage control of filter. Scaling is 0.95 volts/octave. Input impedance = 100K.

OSC. A&B INPUT: Allows external voltage control of oscillators. Scaling is 0.95 volts/octave. Input impedance = 100K.

S-TRIG INPUT: Switch closure triggers contour generators. Internal circuit fully removes switch "bounce." Input impedance = 100K.

AUDIO INPUT: Allows external sound source to be processed through synthesizer. 100MV RMS input required for full drive. Input impedance = 100K.

TOUCH MOD EFFECTS: Allows external modulation source to be used to replace internal keyboard touch modulation source. Maximum input 3 V peak to peak. Input impedance = 30K.

ACCESSORY POWER: Supplies ± 15 V regulated D.C. at 50 MA max for all standard MOOG accessories.

POWER REQUIREMENTS

90 - 130 VAC or 180 - 260 VAC

50/60 Hz. 18 Watts

Detachable international power cord

DIMENSIONS AND WEIGHT

OVERALL SIZE: 31 $\frac{3}{4}$ wide 15" deep x 5 $\frac{1}{2}$ " high.

NET WEIGHT: 26 lbs.