

NOISE/S&H/RING 07A

Noise Source /Sample and Hold/ Ring Modulation

White Noise Output : Filter or Mix with other waveforms to produce percussion sounds and f/x.

White Noise gain control

Random +: This output has the same function as the one next to it. The only difference is that it outputs only a positive voltage. This is useful with the S&H to control filter cutoff etc.

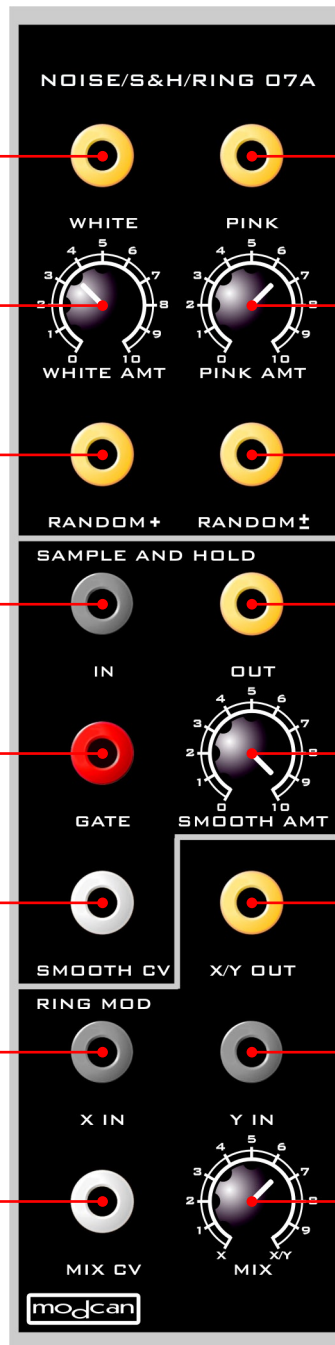
Sample & Hold Input : patch sample voltages from LFO, Osc., Random + Noise etc. This is the source voltage input for the Gate to hold.

Gate Input : This is the input for patching to a gate or clock pulse from an LFO etc. The clock speed sets the duration that the sample voltage is held for.

Smooth CV : This input is for voltage controlling the smoothing depth

X Input : Patch signals from any source to this input. The output will be the sum and difference of the X and Y inputs. Both X and Y inputs must be connected to signal outputs for the Ringmod to work.

Mix CV: This input is for voltage control of the mix amount.



Pink Noise Output: Pink noise is white noise that has been filtered to emphasize the lower frequency spectrum.

Pink Noise Gain Control

Random +/-: This output is a +/- random low frequency voltage for use with the Sample and Hold section below. Patch this to the S&H input and the output will swing both positive and negative

Sample and Hold Output

Smooth AMT : The setting of this knob controls the amount of lag or portamento between output voltage steps.

X/Y Output: This is the Ring Modulator output

Y Input : Same as for X input

Mix: Control for setting the mix between the X input and the Ring Modulated X/Y signal. This allows the user to mix in some of the original unaffected sound.