



Waveform File New.256 (available on Wiard.com)

Bank 0: Basic waveform morph (inspired by EML 101) last wave is 8va saw
Sine Wave to Triangle to Square to Sawtooth to Octave Sawtooth

Bank 1: Original bank 0 reorganized to be less jarring 3 flavors noise at end
Use this Bank for Wave Sequencing

Bank 2: Sine Wave to Square Wave 16 step morph ala Buchla 258
Fundamental Only to all ODD harmonics, Sweep with VCA envelope

Bank 3: Sine Wave to Rectified Sine Wave 16 step morph Fundamental Only
to all EVEN harmonics, Sweep with VCA envelope

Bank 4: Sine Wave to Sawtooth Wave 16 step morph ala Buchla 258
Fundamental Only to ODD and EVEN Harmonics, Sweep with VCA envelope

Bank 5: FWR Sine to Square morph from the Tone Source design pan from
EVEN to ODD harmonics, Pan Manually with Wave control

Bank 6: PWM double wave pulse width modulation
Sweep with VCA envelope

Bank 7: Binary Rate Multiplier, Sweep with VCA envelope
Pulse pattern changes for each step Also good for Drum trigger patterns in
Low range (run WS Out to Envelator Gate in)

Bank 8: Sixteen samples from a Votrax SC-01 Voder chip
Sequence wavetable slowly with random voltage

Bank 9: Sixteen contiguous samples from a Mellotron
Sweep wave table with triangle LFO to get chorusing effect

Bank 10: Piano cascade sixteen exponentially spaced Piano samples
Sweep wave table with exponentially decaying envelope for segmented piano
note

Filter simulations: Sweep wavetable with VCA envelope to simulate filter sweeps

Bank 11: Additive sweep up to 5th harmonic

Bank 12: Full amplitude morph up to 5th harmonic

Bank 13: Low resonance filter sweep

Bank 14: Harmonic Series

Timbre Modulator Mode

Sine Wave to VCA In, VCA Out to WS In, Monitor WS Out while adjusting Volume Control, Waves 8-12 give the best effect

Bank 15: Quantizer Bank

Control Voltage Quantizer Mode

+/- 5 volts input give 0-5 volts output (5 Octaves)

Run control voltage to WS In and run WS Out to 1V/Octave input on oscillator, Set output switch to 10 volt range

Wave Number:

- 0 Chromatic 12 notes per octave (4 steps per note)
- 1 Diatonic Major (C-D-E-F-G-A-B) Eight per octave (6 steps per note)
- 2 Diatonic Harmonic Minor (C-D-D#-F-G-G#-B) Eight per octave (6 steps per note)
- 3 Diatonic Natural Minor (C-D-D#-F-G-G#-A#) Eight per octave (6 steps per note)
- 4 Diatonic Dorian Mode (C-D-D#-F-G-A-A#) Eight per octave (6 steps per note)
- 5 Diatonic Phygian Mode (C-C#-D#-F-G-G#-A#) Eight per octave (6 steps per note)
- 6 Diatonic Lydian Mode (C-D-E-F#-G-A-B) Eight per octave (6 steps per note)
- 7 Diatonic Aolian Mode (C-D-E-F-G-G#-A#) Eight per octave (6 steps per note)
- 8 Whole Tone (C-D-E-F#-G#-A#) 6 notes per octave (8 steps per note)
- 9 Pentatonic (C#-D#-F#-G#-A#) 5 notes per octave (10 steps per note)
- 10 C Major (C-E-G) 3 notes per octave (17 steps per note)
- 11 A minor (C-E-A)
- 12 G Major (D-G-B)
- 13 F major (C-F-A)
- 14 D major (D - F# - A)
- 15 Octaves one note per octave (46 steps per note)