

The parameter named "Output 3" selects a signal line from any oscillators for the 3rd audio output. There are 3 modes for the outputs, Transition, Normal and Chebyshev Transfer = Exciter mode.

The Chebyshev Transfer mode is specially developed for the Output 3. The Exciter transforms the balance of the harmonics of the input source by using the wavetable for the transformation.

The level editable parameters (fundamental plus 4 harmonics) are available. (see the section "Audio Excitation")

The description about the system

Oscillator	5 individual Oscillators	Reading the waveforms from the files on microSD card
Waveforms	32 wavetables	Written in the 12 * 12 bit CSV format on microSD card
Voicing	2 / 3 / 4 / 5 voice preset and Micro Tonal (user editable)	The every mode has the Arpeggiator on the last address#
Arpeggiator	16 preset pattern with 16 user editable notes (limited in 4 notes)	Up / Down / Alternate / Random pattern selector with Speed
Sequencer	8 sequence	the 1st addressed sequencer controls the Arpeggiator
Waveform Mix	14 preset with 18 editable waveform mix	Fixed and Transition mode is selectable The last 4 address# are tuned for the overload mode
PitchBend / Phaser	Bend Up / Down / Phase Shifter	Phaser is activated when the parameter AtkEnv is set to zero
LFO / AM Modulation	*1 / *2 and High speed	The depth control switches the speed rate across the value zero
Chromatic Tuner	Chromatic or programed scale	
VCF/LPF/HPF	5 VCFs on the Oscillator outputs	with LFO / Envelope modulation
Delay	6 delays on the audio lines	The feedback loop accept the AM modulation
Comb Filter	Flanger / Chorus / Dub selectable	LFO rate / center frequency / signal feedback
Looper	30 sec Looper with rev speed	*1 / *2 / * 0.5 with reverse direction
Audio Outputs	L/R mix outputs with individual 3rd / 4th outputs	The 3rd output is selectable The 4th is fixed to OSC3
Output Three selection	solo selection from the oscillator	3 modes are selectable Transition / Normal / Chebyshev Transfer
Chord Sequencer	set the chord sequence in 16 address from 48 patterns	from 16 (on microSD + 16 (MicroTonal + 16 preset patterns