

CHSynth

This is a two oscillator mono synth for the Korg Drumlogue.

Sine, Triangle, Saw, Square, Super-Saw and noise waves.

Amplifier Envelope.

Modulation Envelope.

Twelve filter types.

Pitch and cutoff modulation.

The ability to set gate length to avoid having to tie steps together in the sequencer.

It has a quantiser and chord system built in where you choose the key, scale and shape of the chord. The idea is you can stay with the same shape and change the root note in order to play the chords in the key.

So for example if you Choose C, Major and 135 you would get the following chords for this sequenced data:

A	A Minor
B	B Diminished
C	C Major
D	D Minor
E	E Minor
F	F Major
G	G Major

The chord system also has a 5 note Unison mode.

Parameters:

Note

The root note to play

Wave

Choose one of the following wave combinations:

2xSin
2xTri
2xSaw
2xSqr
Sin+Tri
Sin+Saw
Sin+Sqr
Sin+Sup
Tri+Sin
Tri+Saw
Tri+Sqr
Tri+Sup
Saw+Sin
Saw+Tri
Saw+Sqr
Saw+Sup
Sqr+Sin
Sqr+Tri
Sqr+Saw
Sqr+Sup
Sup+Sin
Sup+Tri
Sup+Saw
Sup+Sqr
Nse+Sin
Nse+Tri
Nse+Saw
Nse+Sqr
Nse+Sup

Detune

Detunes the second oscillator, range -24 to +24 semitones

Balance

The balance of the oscillators, 0%-100%.

Saturate

Saturates the Oscillator outputs pre filter, 0%-100%.

Glide

Glide time, 0%-100%.

S Detune

The Supersaw and Unison detune, 0-100%

S Mix

The Supersaw Mix. 0-100%

Filter

Choose between:

Off	No Filter.
LPF1	Non resonant 1 pole low pass.
HPF1	Non resonant 1 pole high pass.
LPF2	Resonant 2 pole low pass.
HPF2	Resonant 2 pole high pass.
BPF2	Resonant 2 pole band pass.
NOTCH2	Resonant 2 pole notch.
PEAK2	Resonant 2 pole peak.
ALLPASS	Resonant 2 pole allpass.
LPF4L	4 pole resonant ladder filter
LPF4LBB	4 pole resonant ladder filter with bass boost.
LPF4D	4 pole resonant diode filter
LPF4DBB	4 pole resonant diode filter with bass boost.

Cutoff

Filter cutoff. 0% - 100%

Reson

Filter resonance. 0% - 100%

Keytrack

Filter key track. 0% - 100%

A Env

Amplifier envelope type.

Choose between:

D	Decay Envelope
R	Release Envelope
AD	Attack Decay Envelope.
AR	Attack Release Envelope
ARL	Looping Attack Release Envelope.
DSR	Decay Sustain Release Envelope.
DSR2	Decay Sustain Release Envelope with fixed release time 50%.
DSR3	Decay Sustain Release Envelope with fixed release time 60%.
ADSR	Attack Decay Sustain Release Envelope.
ADSR2	Attack Decay Sustain Release Envelope with fixed release time 50%.
ADSR3	Attack Decay Sustain Release Envelope with fixed release time 60%.

A Speed

Amplifier envelope speed, 0% - 100%.

At lower settings the Attack, Decay and Release segments become logarithmic, as you go higher the segments become linear.

A LenSus

Amplifier Envelope Length and Sustain in the format Length:Sustain

Length is in 16ths and is the time the envelope will be gated irrespective of the sequence note length. This allows you to easily play longer notes without having to enter tied sequencer notes. Max value is 64.

Sustain is the sustain level of the envelope, 0 - 10.

M Env

Modulator Envelope type.

M Speed

Modulator Envelope Speed

M LenSus

Modulator Envelope Length and Sustain in the format Length:Sustain

Pitch EG

How much Modulator Envelope modulates pitch. Range -48 - +48 semitones.

Cutoff EG

How much Modulator Envelope modulates cutoff. Range 0% - 100%

Key

The musical key.

Choose from:

C
D Flat
D
E Flat
E
F
G Flat
G
A Flat
A
B Flat
B

Scale

The musical scale.

Choose from:

Chrom	Chromatic
Maj	Major
Min	Minor
HarmMin	Harmonic Minor
PentMaj	Pentatonic Major
PentMin	Pentatonic Minor
Dorian	Dorian
Phrygian	Phrygian
Lydian	Lydian
Mixolyd	Mixolydian
Aeolian	Aeolian

Shape

The chord shape to use. These are the notes that will be used from the set scale.

Choose from:

1	
Unison	5 Note unison, use 'S Detune' to set detune.
1+8M	
13	
15	
135	
1357	
13579	
1359	
1356	
13569	
125	
145	