

PATCH NAME: CAT: bass, lead, pad, string, brass, key, comp, drum, sfx

Oscillators

1

WAVE: sine, tri/saw, pulse
SHAPE:
OCTAVE:
SEMITONE:
FINE TUNE:
WHEEL RANGE:

2

WAVE: sine, tri/saw, pulse
SHAPE:
OCTAVE:
SEMITONE:
FINE TUNE:
WHEEL RANGE:

3

WAVE: sine, tri/saw, pulse
SHAPE:
OCTAVE:
SEMITONE:
FINE TUNE:
WHEEL RANGE:

Prefilter Mix

OSC 1 LVL:
F1 <-> F2 BAL:

OSC 2 LVL:
F1 <-> F2 BAL:

OSC 3 LVL:
F1 <-> F2 BAL:

RING MOD LVL:
F1 <-> F2 BAL:

NOISE TYPE: pink, white
NOISE LVL:
F1 <-> F2 BAL:

EXT IN LVL:
F1 <-> F2 BAL:

F1 -> F2 LVL:

Filters

F1

TYPE: bypass, mg 4-pole lowpass, ob 2-pole lowpass, ob 2-pole bandpass, ob 2-pole highpass, rp 4-pole lowpass, tb 3-pole lowpass, jp 4-pole lowpass, 8-pole lowpass, 8ve dual bandpass, 6-pole bandpass, phase warp, comb filter 1, comb filter 2, vocal formant 1, vocal formant 2, vocal formant 3, bandlimit, op 4-pole highpass, comb filter 3, comb filter 4

FREQ:
RES:
KEYTRACK:
ENV AMT:
POLARITY: positive, negative

F2

TYPE: bypass, mg 4-pole lowpass, ob 2-pole lowpass, ob 2-pole bandpass, ob 2-pole highpass, rp 4-pole lowpass, tb 3-pole lowpass, jp 4-pole lowpass, 8-pole lowpass, 8ve dual bandpass, 6-pole bandpass, phase warp, comb filter 1, comb filter 2, vocal formant 1, vocal formant 2, vocal formant 3, bandlimit, op 4-pole highpass, comb filter 3, comb filter 4

FREQ:
RES:
KEYTRACK:
ENV AMT:
FREQ MODE: absolute, offset
OFFSET:

Post Mix

F1 LVL:
L <-> R BAL:

F2 LVL:
L <-> R BAL:

PRE FILT SIGNAL: osc 1, osc 2, osc 3, filter 1 mix, filter 2 mix, ringmod, noise
LVL:
L <-> R BAL:

Output

DRIVE TYPE: bypass, compressor, rms limiter, tube overdrive, distortion, tube amp, fuzz pedal
LVL:

PROGRAM LVL:
L <-> R BAL:

FX WET <-> DRY BAL:

OUTPUT L/R

Effects

FX1 <-> FX2 BAL:

FX1 TYPE: bypass, super phaser, string phaser, theta flanger, thru 0 flanger, chorus, vocoder
PARAM A:
PARAM B:
PARAM C:
PARAM D:
PARAM E:
PARAM F:
PARAM G:
PARAM A SYNC: x 16, x 12, x 10 2/3, x 8, x 6, x 5 1/3, x 4, x 3, x 2 2/3, x 2, x 1 1/2, x 1 1/3, x 1, x 3/4, x 2/3, x 1/2, x 3/8, x 1/3, x 1/4, x 3/16, x 1/6, x 1/8, x 3/32, x 1/12, x 1/16

FX2 TYPE: bypass, mono delay, stereo delay, split L/R delay, hall reverb, plate reverb, room reverb
PARAM A:
PARAM B:
PARAM C:
PARAM D:
PARAM E:
PARAM F:
PARAM G:
PARAM A SYNC: x 16, x 12, x 10 2/3, x 8, x 6, x 5 1/3, x 4, x 3, x 2 2/3, x 2, x 1 1/2, x 1 1/3, x 1, x 3/4, x 2/3, x 1/2, x 3/8, x 1/3, x 1/4, x 3/16, x 1/6, x 1/8, x 3/32, x 1/12, x 1/16

Voice

MODE: mono, poly PORTO: on, off
MODE:normal, legato
TYPE: fixed, scaled, gliss fixed, gliss scaled
TIME:

WHEEL MODE: held, all

ANALOG DRIFT:

OSC SYNC: on, off
TYPE: soft, hard
SYNC ROUTE: osc2, osc2+osc3

FM AMOUNT:
ALGORITHM: 3 -> 2 -> 1, 2+3 -> 1, 2 -> 1
TYPE: linear, exp

UNISON: on, off VOICES: 2, 4, 8f
DETUNE:

VOICE PITCH
VOICE PITCH NARROW

Envelopes

E1 -> AMP

ATTACK:
SLOPE: lin, exp+, exp-
DECAY:
SLOPE: lin, exp+, exp-
SUSTAIN:
RELEASE:
SLOPE: lin, exp+, exp-

E2 -> FILTERS

ATTACK:
SLOPE: lin, exp+, exp-
DECAY:
SLOPE: lin, exp+, exp-
SUSTAIN:
RELEASE:
SLOPE: lin, exp+, exp-

E3 -> PITCH

ATTACK:
SLOPE: lin, exp+, exp-
DECAY:
SLOPE: lin, exp+, exp-
SUSTAIN:
RELEASE:
SLOPE: lin, exp+, exp-

VELOCITY:
RESET: reset, legato
FREERUN: release, freerun
LOOP: decay, zero, hold, off
SUS PEDAL: on, off

Arpeggiator

ARP MODE: on, off, latch

PATTERN:

TEMPO MULT: 1/4, 1/3, 1/2, 1, 2, 3, 4

LENGTH: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16

OCTAVE RANGE:
OCTAVE SPAN: up, down, centered
OCTAVE SPAN: up, down, centered
ORDER: forward, reverse, trigger, r-n-r in, r-n-r x, oct jump
TEMPO:

TRACKING GENERATOR

INPUT: note-on velocity, release velocity, key track, m1 wheel, m2 wheel, pitch wheel, sustain pedal, expression pedal, amp env level, filter env level, pitch/mod env level, lfo 1 sine, lfo 1 cosine, lfo 1 triangle, lfo 1 cos-triangle, lfo 1 saw, lfo 1 cos-saw, lfo 1 square, lfo 1 cos-square, lfo 2 sine, lfo 2 cosine, lfo 2 triangle, lfo 2 cos-triangle, lfo 2 saw, lfo 2 cos-saw, lfo 2 square, lfo 2 cos-square, sh output, voice random, global random, portamento level, portamento effect, midi channel pressure, midi poly aftertouch, MIDI CC 1..119, key track extreme

PRESET: custom, bypass, negate, abs val, neg abs, exp+, exp-, zero, maximum, minimum
NUM POINTS: 12, 16
TRACKING POINT [-16...+16]:

MOD MATRIX

	SOURCE	DEST	LEVEL	OFFSET
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

none, note-on velocity, release velocity, key track, m1 wheel, m2 wheel, pitch wheel, sustain pedal, expression pedal, amp env level, filter env level, pitch/mod env level, lfo 1 sine, lfo 1 cosine, lfo 1 triangle, lfo 1 cos-triangle, lfo 1 saw, lfo 1 cos-saw, lfo 1 square, lfo 1 cos-square, lfo 2 sine, lfo 2 cosine, lfo 2 triangle, lfo 2 cos-triangle, lfo 2 saw, lfo 2 cos-saw, lfo 2 square, lfo 2 cos-square, sh output, voice random, global random, portamento level, portamento effect, tracking generator, step track, midi channel pressure, midi poly aftertouch, midi cc 1-119, key track extreme

MOD MATRIX DESTINATIONS

none, voice pitch, osc 1 pitch full, osc 2 pitch full, osc 3 pitch full, osc 1 pitch narrow, osc 2 pitch narrow, osc 3 pitch narrow, osc 1 shape, osc 2 shape, osc 3 shape, osc fm level, osc 1 level, osc 2 level, osc 3 level, ring mod level, noise level, ext in level, osc 1 balance, osc 2 balance, osc 3 balance, ring mod balance, noise balance, ext in balance, f1->f2 level, portamento time, unison detune, filter 1 freq, filter 1 res, filter 1 env mod, filter 1 keytrack, filter 2 freq, filter 2 res, filter 2 env mod, filter 2 keytrack, lfo 1 rate, lfo 1 amplitude, lfo 2 rate, lfo 2 amplitude, s&h rate, s&h smoothing, s&h amplitude, filter 1 level, filter 2 level, pre-filter level, filter 1 pan, filter 2 pan, pre-filter pan, drive level, program level, main/aux balance, pan, amp env amplitude, amp env rate, amp env attack, amp env decay, amp env sust time, amp env sust level, amp env release, filter env amplitude, filter env rate, filter env attack, filter env decay, filter env sust time, filter env sust level, filter env release, p/m env amplitude, p/m env rate, p/m env attack, p/m env decay, p/m env sust time, p/m env sust level, p/m env release, dummy, effects mix, effects parameter a, effects parameter b, effects parameter c, effects parameter d, voice pitch narrow

LFOs

LFO1

TEMPO SYNC: on, off
RATE:
SYNCED RATE: x 16, x 12, x 10 2/3, x 8, x 6, x 5 1/3, x 4, x 3, x 2 2/3, x 2, x 1 1/2, x 1 1/3, x 1, x 3/4, x 2/3, x 1/2, x 3/8, x 1/3, x 1/4, x 3/16, x 1/6, x 1/8, x 3/32, x 1/12, x 1/16
RESET: mono, poly, key mono, key poly, arp mono
MOD WHEEL:
AMPLITUDE:

LFO2

TEMPO SYNC: on, off
RATE:
SYNCED RATE: x 16, x 12, x 10 2/3, x 8, x 6, x 5 1/3, x 4, x 3, x 2 2/3, x 2, x 1 1/2, x 1 1/3, x 1, x 3/4, x 2/3, x 1/2, x 3/8, x 1/3, x 1/4, x 3/16, x 1/6, x 1/8, x 3/32, x 1/12, x 1/16
RESET: mono, poly, key mono, key poly, arp mono
MOD WHEEL:
AMPLITUDE:

SH

TEMPO SYNC: on, off
RATE:
SYNC RATE: x 16, x 12, x 10 2/3, x 8, x 6, x 5 1/3, x 4, x 3, x 2 2/3, x 2, x 1 1/2, x 1 1/3, x 1, x 3/4, x 2/3, x 1/2, x 3/8, x 1/3, x 1/4, x 3/16, x 1/6, x 1/8, x 3/32, x 1/12, x 1/16
SYNC: 'mono, poly, key mono, key poly, arp mono
SMOOTHING:
AMPLITUDE:

INPUT: note-on velocity, release velocity, key track, m1 wheel, m2 wheel, pitch wheel, sustain pedal, expression pedal, amp env level, filter env level, pitch/mod env level, lfo 1 sine, lfo 1 cosine, lfo 1 triangle, lfo 1 cos-triangle, lfo 1 saw, lfo 1 cos-saw, lfo 1 square, lfo 1 cos-square, lfo 2 sine, lfo 2 cosine, lfo 2 triangle, lfo 2 cos-triangle, lfo 2 saw, lfo 2 cos-saw, lfo 2 square, lfo 2 cos-square, voice random, global random, portamento level, portamento effect, tracking generator, step track, midi channel pressure, midi poly aftertouch, midi cc 1, midi cc 2, midi cc 3, midi cc 4, midi cc 7, midi cc 8, midi cc 9, midi cc 10, midi cc 11, midi cc 12, midi cc 13, midi cc 14, midi cc 15, midi cc 16, midi cc 17, midi cc 18, midi cc 19, midi cc 20, midi cc 21, midi cc 22, midi cc 23, midi cc 24, midi cc 25, midi cc 26, midi cc 27, midi cc 28, midi cc 29, midi cc 30, midi cc 31, midi cc 66, midi cc 67, midi cc 68, midi cc 69, midi cc 70, midi cc 71, midi cc 72, midi cc 73, midi cc 74, midi cc 75, midi cc 76, midi cc 77, midi cc 78, midi cc 79, midi cc 80, midi cc 81, midi cc 82, midi cc 83, midi cc 84, midi cc 85, midi cc 86, midi cc 87, midi cc 88, midi cc 89, midi cc 90, midi cc 91, midi cc 92, midi cc 93, midi cc 94, midi cc 95, midi cc 102, midi cc 103, midi cc 104, midi cc 105, midi cc 106, midi cc 107, midi cc 108, midi cc 109, midi cc 110, midi cc 111, midi cc 112, midi cc 113, midi cc 114, midi cc 115, midi cc 116, midi cc 117, midi cc 118, midi cc 119, key track extreme