












































### adc

input   
 minimum   
 maximum 

bit1 ... bit12 




























### algoquencer

clock   
 reset   
 button1 ... button16   
 length   
 pattern   
 nextpattern   
 prevpattern   
 reroll   
 pitchlow   
 pitchhigh   
 pitchresolution   
 gatelength   
 lengthbutton   
 repeats   
 branches   
 mutebutton   
 unmutebutton   
 accentbutton   
 alternatebutton   
 alternatebars   
 accentlow   
 accenthigh   
 activity   
 variation   
 dejavu   
 morphs   
 offbeats   
 distribution   
 fills   
 fillorder   
 rolls   
 rollcount   
 rollsteps   
 rollstartvelo 

trigger   
 gate   
 pitch   
 accent   
 led1 ... led16   
 barled1 ... barled4   
 rollvelocity   
 startofbar   
 muteled 

unmuteled   
 morphled   
 fillsled   
 branch 

### arpeggio

root   
 degree   
 select1   
 select3   
 select5   
 select7   
 select9   
 select11   
 select13   
 selectfill1   
 selectfill2   
 selectfill3   
 selectfill4   
 selectfill5   
 tuningmode   
 tuningpitch   
 transpose   
 pitch   
 range   
 clock   
 pattern   
 direction   
 pingpong   
 butterfly   
 drop   
 octaves   
 startnote 

output 

### bernoulli

input   
 distribution 

output1   
 output2 

### burst

rate   
 taptempo   
 hz   
 trigger   
 reset 

count   
 skip 









output 


### buttongroup

minactive   
 maxactive   
 button1 ... button8   
 value1 ... value8 






















led1 ... led8   
 output 

### calibrator

input   
 nudgeup   
 nudgedown   
 nudgeamount   
 reset   
 tune0 ... tune8   
 tunelowtail   
 tunehightail 








output   
 ledup   
 leddown 

### chord

root   
 degree   
 select1   
 select3   
 select5   
 select7   
 select9   
 select11   
 select13   
 selectfill1   
 selectfill2   
 selectfill3   
 selectfill4   
 selectfill5   
 tuningmode   
 tuningpitch   
 transpose   
 pitch   
 spread   
 inversion   
 trigger 


output1 ... output4 


### clocktool

clock   
 reset   
 divide   
 multiply   
 dutycycle   
 gatelength   
 delay 
























output   
 inputpitch   
 outputpitch 

### compare



input   
 compare   
 ifgreater   
 ifless   
 ifequal   
 precision 

output 


### contour

gate   
 trigger   
 retrigger   
 startfromzero   
 abortattack   
 loop   
 predelay   
 attack   
 attackshape   
 hold   
 decay   
 decayshape   
 sustain   
 swell   
 swelltime   
 swelllevel   
 swellshape   
 release   
 releaseshape   
 pitch   
 velocity   
 pitch   
 taptempo 

shape   
 zerocrossing 

output   
 negated   
 inverted   
 endofpredelay   
 endofattack   
 endofhold   
 endofdecay   
 endofrelease 

### copy

input   
 minimum   
 maximum 












output   
 inverted 

### crossfader

input1 ... input8   
 fade 

output 

### cvloop

cvin   
 gatein   
 clock   
 reset   
 length   
 tapespeed   
 loopswitch   
 pause   
 overlay   
 overdub   
 bypass 




cvout   
 gateout 

### dac

bit1 ... bit12   
 minimum   
 maximum 

output 


### droid

ledbrightness   
 maxslope1 ... maxslope8   
 lpfiler1 ... lpfiler8 


controllererrors 

### euklid

clock   
 reset   
 length   
 beats   
 offset 

output   
 offbeats 

### explin

input   
 startvalue   
 endvalue   
 mix 

output 

### fold

input   
 foldby   
 minimum   
 maximum 

output 

### fourstatebutton

button   
 reset   
 value1 ... value4   
 startvalue 

output   
 led 

### lfo

rate   
 taptempo 

hz  
level  
randomize  
offset  
bipolar  
phase  
pulsewidth  
skew  
sync  
synchphase  
waveform

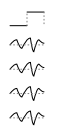


output  
square  
sawtooth  
triangle  
ramp  
paraboloid  
sine  
cosine



### logic

input1 ... input8  
threshold  
lowvalue  
highvalue  
countvalue



and  
or  
xor  
nand  
nor  
negated  
count  
countlow



### math

input1, input2  
  
sum  
difference  
product  
quotient  
modulo  
power  
average  
maximum  
minimum  
negation  
reciprocal  
amount  
sine  
cosine  
square  
root

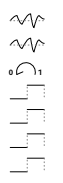


logarithm  
round  
floor  
ceil



### matrixmixer

input1 ... input4  
auxin1 ... auxin4  
mixmax  
button11 ... button14  
button21 ... button24  
button31 ... button34  
button41 ... button44

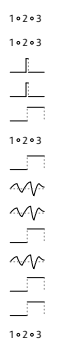


output1 ... output4  
led11 ... led14  
led21 ... led24  
led31 ... led34  
led41 ... led44



### midifileplayer

file  
track  
clock  
reset  
loop  
end  
tuningmode  
transpose  
speed  
holdvelocity  
pitchbendrange  
bendpitch  
roundrobin  
dropnotes

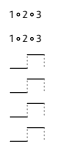


pitch1 ... pitch8  
gate1 ... gate8  
trigger1 ... trigger8  
velocity1 ... velocity8  
pitchbend  
modwheel  
volume  
clockout  
midiclock  
endofftrack  
error

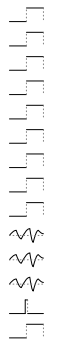


### minifonion

root  
degree  
select1  
select3  
select5  
select7



select9  
select11  
select13  
selectfill1  
selectfill2  
selectfill3  
selectfill4  
selectfill5  
selectfill5  
tuningmode  
tuningpitch  
transpose  
input  
trigger  
bypass



output  
notechange



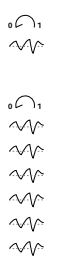
### mixer

input1 ... input8  
  
output  
maximum  
minimum  
average



### notchedpot

pot  
notch  
  
output  
bipolar  
absbipolar  
lefthalf  
righthalf  
lefthalfinv  
righthalfinv



### notebuttons

button1 ... button12  
clock  
  
led1 ... led12  
output  
semitone



### nudge

buttonup  
buttondown  
amount  
startvalue  
minimum  
maximum



wrap  
offset  
reset  
reset  
persist

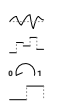


ledup  
leddown  
output



### octave

input  
spread  
detune  
fifths

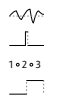


output1 ... output3



### quantizer

input  
trigger  
steps  
bypass



output



### queue

input  
clock  
outputpos1 ... outputpos8



output1 ... output8



### random

clock  
minimum  
maximum  
steps

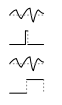


output



### sample

input  
sample  
timewindow  
bypass



output



### sequencer

clock



reset  
stages  
steps  
transpose  
outputscaling  
gatelength  
pitch1 ... pitch8  
gate1 ... gate8  
slew1 ... slew8  
repeat1 ... repeat8



pitchoutput  
gateoutput



### slew

input  
slew  
slewup  
slewdown  
gate

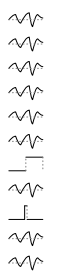


exponential  
linear  
scurve



### spring

mass  
gravity  
springforce  
flowresistance  
friction  
speed  
shove  
shoveforce  
reset  
startvelocity  
startposition



velocity  
position



### superjust

input1 ... input8  
tuningmode  
tuningpitch  
bypass  
transpose



output1 ... output8



### switch

input1 ... input8  
forward



backward  
reset  
offset



output1 ... output8



### switchedpot

pot  
switch1 ... switch8



output1 ... output8



### togglebutton

button  
reset1 ... reset4  
onvalue  
offvalue  
doubleclickmode  
startvalue  
switch

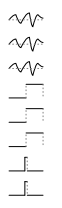


led  
output1 ... output4  
inverted  
negated



### transient

start  
end  
duration  
loop  
pingpong  
freeze  
reset  
clock



output  
phase  
endoftransient



### triggerdelay

input  
delay  
gatelength  
repeats  
mute  
clock



output  
overflow

