

adc

input

minimum

maximum

bit1 ... bit12

algoquencer

clock

reset

button1 ... button16

length

pattern

nextpattern

prevpattern

reroll

clear

pitchlow

pitchhigh

pitchresolution

gatelength

lengthbutton

repeats

alternaterepeats

branches

mutebutton

unmutebutton

accentbutton

alternatebutton

alternatebars

accentlow

accenthigh

activity

variation

dejavu

morphs

offbeats

distribution

fills

fillorder

rolls

rollcount

rollsteps

rollstartvelo

pitch1 ... pitch16

select

selectat

preset

loadpreset

savepreset

trigger

gate

pitch

accent

led1 ... led16

barled1 ... barled4

rollvelocity

startofbar

mutedled

unmutedled

morphled

fillsled

branch

arpeggio

pitch

range

clock

reset

pattern

direction

pingpong

butterfly

drop

octaves

startnote

root

degree

select1

select3

select5

select7

select9

select11

select13

selectfill1

selectfill2

selectfill3

selectfill4

selectfill5

tuningmode

tuningpitch

transpose

output

bernoulli

input

distribution

output1

output2

burst

rate

taptempo

hz

trigger

reset

count

skip

output

button

button

reset

onvalue

offvalue

value1 ... value4

doubleclickmode

states

startvalue

select

selectat

preset

loadpreset

savepreset

led

output

inverted

negated

longpress

buttongroup

minactive

maxactive

button1 ... button32

value1 ... value32

select

selectat

preset

loadpreset

savepreset

led1 ... led32

buttonoutput1 ... buttonoutput32

output

buttonpress

longpress

calibrator

input

nudgeup

nuggedown

nudgeamount

reset

tune0 ... tune8

tunelowtail

tunehightail

select

selectat

output

ledup

leddown

chord

pitch

spread

inversion

trigger

root

degree

select1

select3

select5

select7

select9

select11

select13

selectfill1

selectfill2

selectfill3

selectfill4

selectfill5

tuningmode

tuningpitch

transpose

output1 ... output4

clocktool

clock

reset

divide

multiply

dutycycle

gatelength

delay

output

inputpitch

outputpitch

compare

input

compare

ifgreater

ifless

ifequal

else

precision

output

contour

gate

trigger

retrigger

startfromzero

abortattack

loop

predelay

attack

hold

decay

sustain

swell

swelltime

swelllevel

release

level

velocity

pitch

taptempo

shape

attackshape

decayshape

swellshape

releaseshape

zerocrossing

output

negated

inverted

endofpredelay

endofattack

endofhold

endofdecay

endofrelease

copy

input

minimum

maximum

output

inverted

crossfader

input1 ... input8

fade

output

cvlooper

cvin

gatein

clock

reset

length

tapespeed

loopswitch

pause

overlay

overdub

bypass

cvout

gateout

dac

bit1 ... bit12

minimum

maximum

output

droid

ledbrightness

maxslope1 ... maxslope8

lpfilter1 ... lpfilter8

m4faderspeed

m4notchpower

calibrate

euklid

clock  
reset  
outputsignal  
length  
beats  
offset



output  
offbeats



explin

input  
startvalue  
endvalue  
mix



output



faderbank

firstfader  
notches  
startvalue  
reset  
resetvalue  
ledcolor  
ledvalue1 ... ledvalue16  
select  
selectat  
preset  
loadpreset  
savepreset



output1 ... output16  
button1 ... button16



fadermatrix

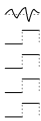
firstfader  
rowcolumn  
notches1 ... notches4  
ledvalue11 ... ledvalue14  
ledvalue21 ... ledvalue24  
ledvalue31 ... ledvalue34  
ledvalue41 ... ledvalue44  
ledcolor1 ... ledcolor4  
select  
selectat  
preset  
loadpreset  
savepreset



output11 ... output14  
output21 ... output24  
output31 ... output34

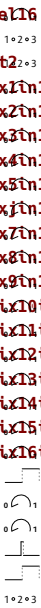


output41 ... output44  
button11 ... button14  
button21 ... button24  
button31 ... button34  
button41 ... button44



firefacecontrol

outputlevel1 ... outputlevel16  
mainoutput  
phonesoutput1, phonesoutput2  
outputmix1in1 ... outputmix1in16  
outputmix2in1 ... outputmix2in16  
outputmix3in1 ... outputmix3in16  
outputmix4in1 ... outputmix4in16  
outputmix5in1 ... outputmix5in16  
outputmixjin1 ... outputmixjin16  
outputmix7in1 ... outputmix7in16  
outputmix8in1 ... outputmix8in16  
outputmix9in1 ... outputmix9in16  
outputmix10in1 ... outputmix10in16  
outputmix11in1 ... outputmix11in16  
outputmix12in1 ... outputmix12in16  
outputmix13in1 ... outputmix13in16  
outputmix14in1 ... outputmix14in16  
outputmix15in1 ... outputmix15in16  
outputmix16in1 ... outputmix16in16  
postfader1 ... postfader16  
pan1 ... pan16  
unmute1 ... unmute16  
update  
select  
selectat



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  
syncphase  
waveform

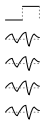


output  
square  
sawtooth  
triangle  
ramp  
paraboloid  
sine  
cosine



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

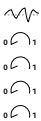


matrixmixer

input1 ... input4  
auxin1 ... auxin4  
mixmax  
startvalue  
reset  
button11 ... button14  
button21 ... button24  
button31 ... button34  
button41 ... button44  
select  
selectat  
preset  
loadpreset  
savepreset

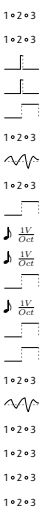


output1 ... output4  
led11 ... led14  
led21 ... led24  
led31 ... led34  
led41 ... led44



midifileplayer

file  
track  
clock  
reset  
loop  
end  
speed  
channel  
tuningmode  
tuningpitch  
transpose  
holdvelocity  
pitchbendrange  
bendpitch  
roundrobin  
voiceallocation  
notegap  
ccnumber1 ... ccnumber4  
lowestnote  
highestnote  
note1 ... note16



clockout  
midiclock  
endoftrack

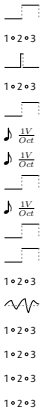


error  
pitch1 ... pitch8  
velocity1 ... velocity8  
pressure1 ... pressure8  
gate1 ... gate8  
trigger1 ... trigger8  
cc1 ... cc4  
notegate1 ... notegate16  
pitchbend  
programchange  
program  
bank  
modwheel  
volume  
portamento  
soft

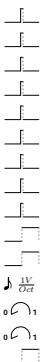


midiiin

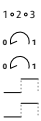
usb  
channel  
systemreset  
channel  
tuningmode  
tuningpitch  
transpose  
holdvelocity  
pitchbendrange  
bendpitch  
roundrobin  
voiceallocation  
notegap  
ccnumber1 ... ccnumber4  
lowestnote  
highestnote  
note1 ... note16



clock  
clock8  
clock8t  
clock16  
clock4  
midiclock  
start  
continue  
stop  
running  
active  
pitch1 ... pitch8  
velocity1 ... velocity8  
pressure1 ... pressure8  
gate1 ... gate8  
trigger1 ... trigger8  
cc1 ... cc4  
notegate1 ... notegate16  
pitchbend  
programchange  
program



bank  
modwheel  
volume  
portamento  
soft



midioout

channel  
usb  
pitch1 ... pitch8  
gate1 ... gate8  
velocity1 ... velocity8  
noteoffvelocity1 ... noteoffvelocity8  
pressure1 ... pressure8  
channelpressure  
pitchstabilization  
triggerdelay  
lowestnote  
highestnote  
notegate1 ... notegate16  
note1 ... note16  
notegatevelocity1 ... notegatevelocity8



channel  
systemreset  
channel  
tuningmode  
tuningpitch  
transpose  
holdvelocity  
pitchbendrange  
bendpitch  
roundrobin  
voiceallocation  
notegap  
ccnumber1 ... ccnumber4  
lowestnote  
highestnote  
note1 ... note16  
bank  
program  
programchange  
start  
stop  
running  
systemreset  
allnotesoff  
allsoundoff  
damper  
portamento  
sostenuto  
soft  
legato  
clock  
midiclock  
activesensing  
updaterate  
select  
selectat

























midithrough

fromusb  
tousb








## minifonion

input	
trigger	
bypass	
noteshift	
selectnoteshift	
root	
degree	
select1	
select3	
select5	
select7	
select9	
select11	
select13	
selectfill1	
selectfill2	
selectfill3	
selectfill4	
selectfill5	
tuningmode	
tuningpitch	
transpose	

output	
notechange	





## mixer









input1 ... input8	
output	
maximum	
minimum	
average	

## motoquencer














firstfader	
numfaders	
numsteps	
page	
clock	
reset	
run	
composemode	
mute	
cvbase	
cvrange	
quantize	
cvnotches	
shiftsteps	
startstep	
endstep	

form	
direction	
pingpong	
pattern	
autoreset	
metricsaver	
fadermode	
buttonmode	
holdcv	
clear	
defaultgate	
clearstartend	
gatelength	
keyboardmode	
keyboardcv	
keyboardgate	
recordmode	
recordsilence	
copy	
copymode	
paste	
pastefaders	
pastebuttons	
linktonext	
luckychance	
luckyamount	
luckyfaders	
luckybuttons	
luckycvs	
luckycvdrift	
luckyspread	
luckyinvert	
luckyrandomizecv	
luckygates	
lucky skips	
luckyties	
luckygatepattern	
luckygateprob	
luckyrepeats	
luckyratchets	
luckyshuffle	
luckyreverse	
root	
degree	
select1	
select3	
select5	
select7	
select9	
select11	
select13	
selectfill1	
selectfill2	
selectfill3	
selectfill4	
selectfill5	
tuningmode	
tuningpitch	

transpose	
select	
selectat	
preset	
loadpreset	
savepreset	

cv	
gate	
startofsequence	
startofpart	
startstepout	
endstepout	
currentstep	
currentpage	








## motorfader

fader	
startvalue	
reset	
resetvalue	
notches	
ledvalue	
ledcolor	
sharewithnext	
select	
selectat	
preset	
loadpreset	
savepreset	

output	
--------	---

## notchedpot

pot	
notch	













output	
bipolar	
absbipolar	
lefthalf	
righthalf	
lefthalfinv	
righthalfinv	

## notebuttons

button1 ... button12	
clock	
select	
selectat	


led1 ... led12	
output	

semitone	
nudge	

buttonup	
buttondown	
amount	
startvalue	
minimum	
maximum	
wrap	
offset	
reset	
persist	
select	
selectat	





ledup	
leddown	
output	

## octave

input	
spread	
detune	
fifths	














output1 ... output3	
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







## polytool

pitchinput1 ... pitchinput16	
gateinput1 ... gateinput16	
roundrobin	
voiceallocation	


pitchoutput1 ... pitchoutput16	
gateoutput1 ... gateoutput16	

## pot

pot	
outputscale	
notch	
discrete	
slope	
ledgauge	
resetvalue	
reset	
select	
selectat	
preset	
loadpreset	
savepreset	

output	
bipolar	
absbipolar	
lefthalf	
righthalf	
lefthalfinv	
righthalfinv	
onchange	

## quantizer

input	
trigger	
steps	
bypass	

output	
--------	---

## queue

input	
clock	
outputpos1 ... outputpos8	


output1 ... output8	
---------------------	---

## random

clock	
minimum	
maximum	
steps	










output	
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

## sample

input	
sample	
gate	
timewindow	
bypass	

output	
--------	---


## sequencer

clock	
reset	
stages	
steps	
transpose	
outputscaling	
gatelength	
pitch1 ... pitch8	
cv1 ... cv8	

gate1 ... gate8	
slew1 ... slew8	
repeat1 ... repeat8	
chaintonext	












pitchoutput	
cvoutput	
gateoutput	

## slew

input	
slew	
slewup	
slewdown	
gate	

exponential	
linear	
scurve	

## spring

mass	
gravity	
springforce	
flowresistance	
friction	
speed	
shove	
shoveforce	
reset	
startvelocity	
startposition	

velocity	
position	

output1 ... output8



switchedpot

pot



bipolar



switch1 ... switch8



output1 ... output8



timing

clock



reset



timing1 ... timing8



output



togglebutton

button

reset

onvalue

offvalue

doubleclickmode

startvalue

led

output

inverted



negated



transient

start



end



duration



loop



pingpong



freeze



reset



clock



output



phase



endoftransient



triggerdelay

input



delay

gatelength

repeats

mute

clock

output

overflow



1+2=3

