adc

input
minimum
maximum

bit1 ... bit12

algoquencer

clock
reset
button1 ... button16
length
pattern
nextpattern
prevpattern
reroll
clearpage
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
clear
clearall
dontsave

trigger
gate
pitch
accent
led1 ... led16
barled1 ... barled4
rollvelocity
startofbar
muteled
unmuteled
morphled
fillsled
branch
lengthoutput

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
onvalue
offvalue
value1 ... value4
doubleclickmode
longpresstime
states
startvalue
select
selectat
preset
loadpreset
savepreset
clear
clearall
dontsave

led
output
inverted
negated
longpress
shortpress

buttongroup

minactive
maxactive
longpresstime
button1 ... button32
value1 ... value32
startbutton
select
selectat
preset
loadpreset
savepreset
clear
clearall
dontsave

led1 ... led32
buttonoutput1 ... buttonoutput32
output
buttonpress
longpress
selectionchanged

calibrator

input
nudgeup
nudgedown
clearhere
nudgeamount
tune0 ... tune8
tunelowtail
tunehightail
select
selectat
preset
loadpreset
savepreset
clear
clearall
dontsave

output
ledup
leddown
correction

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

output

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

delay

delay
cvin
numberin
gatein1 ... gatein8
clock
sample
timewindow
bypass
save
load
filenumber

cvout
numberout
gateout1 ... gateout8
overflow

droid

ledbrightness
maxslope1 ... maxslope8
lpfilter1 ... lpfilter8
m4faderspeed
statusdump
m4notchpower
calibrate
startcontrollerupgrade
startx7upgrade
clear
clearall

encoderbank

firstencoder
led1 ... led8
startvalue
notch
outputscale
outputoffset
mode
smooth
discrete
snapto
snapforce
sensivity
autozoom
color
negativecolor
ledfill
select
selectat
preset
loadpreset
savepreset
clear
clearall
dontsave

output1 ... output8
button1 ... button8

encoder

encoder
override
sharewithnext
movementticks
led
startvalue
notch
outputscale
outputoffset
mode
smooth
discrete
snapto
snapforce
sensivity
autozoom
color
negativecolor
ledfill
select
selectat
preset
loadpreset
savepreset
clear
clearall
dontsave

output
button
moveddown
movedup
valuechanged

encoquencer

zorder
ledpreview
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
defaultcv
defaultgate
clearskips
clearrepeats
clearstartend
gatelength
keyboardmode
keyboardcv
keyboardgate
recordmode
recordsilence
copy
paste
pastefaders
pastebuttons
linktonext
luckychance
luckyscope
luckyamount
luckycvbase
luckyfaders
luckybuttons
luckycvs
luckycvdrift
luckyspread
luckyinvert
luckyrandomizecv
luckygates
luckyskips
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
clear
clearall
dontsave

cv
gate
startofsequence
startofpart
startstepout
endstepout
currentstep
currentpage

euklid

clock
reset
outputsignal
length
beats
offset

output
offbeats

explin

input
startvalue
endvalue
mix

output

faderbank

firstfader
notches
startvalue
ledcolor
ledvalue1 ... ledvalue16
select
selectat
preset
loadpreset
savepreset
clear
clearall
dontsave

output1 ... output16
button1 ... button16

fadermatrix

firstfader
rowcolumn
notches1 ... notches4
startvalue1 ... startvalue4
ledvalue11 ... ledvalue14
ledvalue21 ... ledvalue24
ledvalue31 ... ledvalue34
ledvalue41 ... ledvalue44
ledcolor1 ... ledcolor4
select
selectat
preset
loadpreset
savepreset
clear
clearall
dontsave

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
outputmix6in1 ... outputmix6in16
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

flipflop

toggle
set
reset
clear
startvalue
load
loadvalue

output

fold

input
foldby
minimum
maximum

output

fourstatebutton

button
reset
value1 ... value4
startvalue

output
led

gatetool

inputgate
inputtrigger
inputedge
gatelength
gatestretch

mingatelength
maxgatelength
taptempo

outputgate
outputtrigger
outputedge

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
button11 ... button14
button21 ... button24
button31 ... button34
button41 ... button44
select
selectat
preset
loadpreset
savepreset
clear
clearall
dontsave

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
cctrigger1 ... cctrigger4
notegate1 ... notegate16
pitchbend
programchange
program
bank
modwheel
volume
portamento
soft

midiin

usb
initialrunning
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
cctrigger1 ... cctrigger4
notegate1 ... notegate16
pitchbend
programchange
program
bank
modwheel
volume
portamento
soft

midiout

channel
usb
trs
pitch1 ... pitch8
gate1 ... gate8
velocity1 ... velocity8
noteoffvelocity1 ... noteoffvelocity8
pressure1 ... pressure8
channelpressure
pitchstabilization
triggerdelay
lowestnote
highestnote
notegate1 ... notegate16
note1 ... note16
notegatevelocity1 ... notegatevelocity16
modwheel
volume
pitchbend
pitchtracking
pitchbendrange
ccnumber1 ... ccnumber8
cc1 ... cc8
cctrigger1 ... cctrigger8
updateccs
delayinitialccs
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
defaultcv
defaultgate
clearskips
clearrepeats
clearstartend
gatelength
keyboardmode
keyboardcv
keyboardgate
recordmode
recordsilence
copy
paste
pastefaders
pastebuttons
linktonext
luckychance
luckyscope
luckyamount
luckycvbase
luckyfaders
luckybuttons
luckycvs
luckycvdrift
luckyspread
luckyinvert
luckyrandomizecv
luckygates
luckyskips
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
clear
clearall
dontsave

cv
gate
startofsequence
startofpart
startstepout
endstepout
currentstep
currentpage

motorfader

fader
startvalue
notches
ledvalue
ledcolor
sharewithnext
select
selectat
preset
loadpreset
savepreset
clear
clearall
dontsave

output

notchedpot

pot
notch

output
bipolar
absbipolar
lefthalf
righthalf
lefthalfinv
righthalfinv

notebuttons

button1 ... button12
clock
startnote
select
selectat
preset
loadpreset
savepreset
clear
clearall
dontsave

led1 ... led12
output
semitone
gate

nudge

buttonup
buttondown
amount
startvalue
minimum
maximum
wrap
offset
select
selectat
preset
loadpreset
savepreset
clear
clearall
dontsave

ledup
leddown
output

octave

input
spread
detune
fifths

output1 ... output3

once

delay
onlycoldstart

trigger

polytool

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

pitchoutput1 ... pitchoutput16
gateoutput1 ... gateoutput16

pot

pot
outputscale
notch
discrete
slope
ledgauge
startvalue
select
selectat
preset
loadpreset
savepreset
clear
clearall
dontsave

output
bipolar
absbipolar
lefthalf
righthalf
lefthalfinv
righthalfinv
onchange

quantizer

input
trigger
steps

bypass

output
changed

queue

input
clock
outputpos1 ... outputpos8

output1 ... output8

random

clock
minimum
maximum
steps

output

recorder

playbutton
recordbutton
stopbutton
loop
pause
mode
playbackspeed
scrub
scrubposition
trimstart
trimend
cvin
numberin
gatein1 ... gatein8
clock
sample
timewindow
bypass
save
load
filenumber
select
selectat

recordled
playled
stopled
cvout
numberout
gateout1 ... gateout8
overflow

sample

input
sample
gate
timewindow
bypass

output

select

input
select
selectat

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

superjust

input1 ... input8
tuningmode
tuningpitch
bypass
transpose

output1 ... output8

switch

input1 ... input16
forward
backward
reset
offset

output1 ... output16

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