

**move cursor** — (O)

show data value at cursor — CV

**edit data value at cursor** — CV — (O)

fine adjust data point — CV — GATE — (O)

scroll display up/down — CV — CLONE — (O)

shift steps horizontally — CV — CLEAR — (O)

shift data values vertically — CV — RAND — (O)

set scroll automatically — CV — PAGE

**toggle step trig** — GATE

**edit step ties** — GATE — (O)

view/edit gate accent — GATE — CV — (O)

view/edit gate probability — GATE — RAND — (O)

view/edit gate retrigger — GATE — LOOP — (O)

replace gates (euclidean) — GATE — PAGE — (O)

off-grid amount — GATE — LAYER — (O)

set block clone source — CLONE

**clone steps** — CLONE — (O)

clone data values only — CLONE — CV — (O)

clone gate info only — CLONE — GATE — (O)

clone entire page — CLONE — PAGE — (O)

clone entire layer — CLONE — LAYER — (O)

**clear step** — CLEAR

**clear multiple steps** — CLEAR — (O)

clear data values only — CLEAR — CV — (O)

clear gate info only — CLEAR — GATE — (O)

clear entire page — CLEAR — PAGE — (O)

clear entire layer — RAND — LAYER — (O)

randomise data points — RAND — (O)

save randomised data — RAND — (O) — PAGE

save rand. to other page — RAND — (O) — ABCD

create random page — RAND — LOOP — (O)

set play position to cursor — LOOP

**change loop points** — LOOP — (O)

cue page for bkgnd play — LOOP — ABCD

random background play — LOOP — RAND

bkgnd play page/cancel — LOOP — PAGE

bkgnd play all pages — LOOP — LAYER

show page and layer id — PAGE

quick copy/clear pages — PAGE — (O)

**select page** — PAGE — ABCD

re-order layers — PAGE — LAYER — (O)

**layer menu** — LAYER

**select layer** — LAYER — 1 2 3 4

view mutes/mute layer — LAYER — PAGE

mute any layer — LAYER — PAGE — 1 2 3 4

**start/stop playback** — RUN

restart playback — CV — RUN

**load/save session** — MEM — 1 ..... 8 — (O)

show memory slot — MEM

access template slot — MEM — FN — (O)

pitch layer row spacing — FN — CV

auto add trig with note — FN — GATE

data point fill mode — FN — CLONE

show/hide octave grid — FN — CLEAR

set midi record mode — FN — RAND

set loop point mode — FN — LOOP

arm midi recording — FN — PAGE

**global menu** — FN — LAYER

CV keep button held down

CV press and release button

(O) turn encoder knob

1 2 3 4 use buttons (from left) to select

layer menu

TYP	PITCH	<b>layer type</b>	note pitch
	MOD		modulation
	OFFS		offset
DUR	TRIG	<b>gate duration</b>	short trig
	01..15		1/16 .. 15/16 step time
	FULL		full step
RAT	1..32	<b>step division</b>	
DFG	NONE	<b>off grid mode</b>	
	SWNG		swing (move even steps)
	SLID		slide (move all steps)
	RAND		random slide
VLT	1..8	<b>voltage scaling</b>	
	1V0		1 volt per octave
	1.2V		1.2 volt per octave
	H2V		hz/volt
MIX	OFF	<b>prev layer mix</b>	
	ADD		add cv
	MASK		replace cv at data point
	BOTH		add cv at data point
TRN	-24..+24	<b>chromatic transposition</b>	
QUA	OFF	<b>voltage quantization</b>	
	CHRD		force to chromatic scale
	SEAL		force to diatonic scale
OCT	-5..+5	<b>octaves/volts cv offset</b>	
SLW	OFF	<b>cv slew/glide</b>	
	ON		slew all steps
	TIES		slew only tied steps
MID	NONE	<b>midi output mode</b>	
	NOTE		output midi notes
	CC		output midi cc
CHO	1..16	<b>midi channel for output</b>	
VEL	000..127	<b>midi velocity</b>	
ACC	000..127	<b>accent midi velocity</b>	
	CC	<b>midi cc number</b>	
	000-127		
SMD	OFF..ON	<b>midi cc value smoothing</b>	
EPH	030-300	<b>internal clock tempo</b>	

global menu

SCA	IDNI...LOCK	<b>diatonic scale mode</b>	
ROO	C..E	<b>diatonic scale root</b>	
CLK	INT	<b>clock source</b>	internal
	NCLK		midi clock (no transport)
	MTRN		midi clock (transport)
	PELK		pulse clock at sync in
SYI	8..16..24PP	<b>pulse clock input rate</b>	
SYO	OFF	<b>sync out mode</b>	
	ON		pulse clock
	RUN		pulse clock when running
	STAR		start trig
	STOP		stop trig
	STST		start/stop trig
	RES		reset trig
	RNGC		running gate
	ACC		accent gate
SCX	8..16..24PP	<b>sync out clock rate</b>	
AXI	OFF	<b>aux in mode</b>	
	STST		start/stop trig
	RUN		run gate
	RES		reset trig
AXO	OFF..	<b>aux out mode</b>	(see SYO)
ACX	8..16..24PP	<b>aux out clock rate</b>	
NCLK	OFF	<b>midi clock send</b>	
	ON		send clock
	ON+T		send clock and transport
	RUN		send clock when running
	RN+T		clock when run+transport
MCI	1..0NNI	<b>midi channel for input</b>	
CAL	OFF	<b>cv output calibration</b>	
	1V..8V		reference voltage
SCL	-99..+99		cv output scale correct
DFS	-99..+99		cv output offset correct
CV	NORM	<b>cv redirection</b>	normal
	L1..L4		cv out from other layer
GAT	NORM	<b>gate redirection</b>	normal
	L1..L4		gate out from other layer