

ep-133 k.o. ii

QUICK REFERENCE CHEATSHEET

teenage.engineering · sampler & composer

HARDWARE CONTROLS		SOUND MODE			LIVE RECORD		SAMPLE		
CONTROL	FUNCTION	MODE	KNOBX	KNOBY					
pads 1-12	trigger sounds · step entry · number pad	minus / plus	scroll sounds		tap record → play	4-beat count-in → record		press sample	enter sample mode (all buttons light)
group+a-d	select group (drums / bass / melody / loops)	hold sound +pads+ enter	select slot number entry (e.g. 3-0-3)		record + play	record immediately (no count-in)		hold pad	start recording to that pad
sound	sound selection mode	999 sample slots · 128 MB · samples populate sequentially			hold record +pad	add note to current step		shift +pad	hands-free lock recording
shift+sound	sound edit mode	SOUND EDIT — SHIFT + SOUND			press play	stop & pause		minus / plus	toggle input: mic / line / resample / L / R
main	main mode (sequencer & song)	sound	play mode (oneshot / key / legato)		press record	continue playing (stop recording)		knobX	input level
tempo	tempo mode (BPM)	trim	start point	length	PATTERN LENGTH		knobY	threshold	
record	record arm	envelope	attack	release	hold record +plus	extend pattern length		erase + sound = delete active sample · samples populate slots sequentially	
play	play / stop	time stretch	BPM / BAR mode	target tempo / bars	minus / plus	navigate steps when stopped			
shift	modifier (unlock alt functions)	MIDI			hold record +minus	jump to step 1.1.1			
erase	erase / delete	MIDI	MIDI channel	root note	minus / plus	navigate steps (stopped)			
sample	sample recording mode	MAIN MODE — SEQUENCER			hold record +pad	record pad to current step			
shift+sample	chop mode	hold main +pad 1-9	switch project		hold erase +pad	delete notes on pad			
timing	note interval & quantize	hold main +minus/plus	select scene		NOTE PROPERTIES				
shift+timing	timing correct (per-pad quantize)	hold group+minus/plus	select pattern within group		hold shift +pad	select step for editing			
fx	effects	shift + main	commit — duplicate scene & advance		knobX	note velocity			
fader	group volume (default) · hold = alt param	shift +minus	go to step 1.1.1 (pattern start)		knobY	note duration			
minus / plus	navigate · scroll · adjust	TEMPO MODE			minus / plus	nudge note timing			
knobX	parameter 1 (context-sensitive)	tap tempo	tap tempo input						
knobY	parameter 2 (context-sensitive)	knobX	BPM adjustment		hold erase +pad	delete notes on pad			
shift + main = commit (duplicate scene)		knobY	metronome volume		hold erase + sound	delete active sample slot			
		shift +knobX/Y	slow / fine adjustment		hold erase +group	erase current pattern			
		SOUND EDIT — SHIFT + SOUND			hold erase + main	erase current scene			
		sound	play mode (oneshot / key / legato)		shift + erase	undo			
		trim	start point	length					
		envelope	attack	release					
		time stretch	BPM / BAR mode	target tempo / bars					
		MIDI							
		MIDI	MIDI channel	root note					
		MAIN MODE — SEQUENCER							
		hold main +pad 1-9	switch project						
		hold main +minus/plus	select scene						
		hold group+minus/plus	select pattern within group						
		shift + main	commit — duplicate scene & advance						
		shift +minus	go to step 1.1.1 (pattern start)						
		TEMPO MODE							
		tap tempo	tap tempo input						
		knobX	BPM adjustment						
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WORKFLOW · FX · SYNC · SYSTEM

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WORKFLOW — SONG STRUCTURE

HIERARCHY

projects	9 total — complete composition ("a song")
groups	4 per project · 12 sounds each
patterns	99 per group · up to 99 bars each
scenes	99 per project · sections of a song
song positions	99 · chain scenes 1-99 linearly

COMMIT FUNCTION

shift + **main** commit: duplicate scene & advance

commit = save arrangement as scene before building next variation · experiment live without stopping · build song structure through iteration

RECOMMENDED GROUP LAYOUT

group A	drums
group B	bass sounds
group C	melodic elements
group D	loops and samples

FX — EFFECTS

press fx	enter effects mode
minus / plus	browse 6 built-in effects
fader	effect send level
hold fx + pad (playing)	punch-in effect on that pad

LOOP — **SHIFT** + **TEMPO**

hold shift + tempo	create loop (hold duration = length)
knobX	slide loop position (tempo-locked)
knobY	set loop length
press tempo	exit loop immediately
press main	exit loop at next bar boundary

FADER & KNOBS

fader (default)	group volume / level
hold fader	alt parameter menu (shown above pads)
knobX	fx level / tempo / interval (context)
knobY	swing / compressor speed (context)
shift + knob	slow / precise adjustment

knob context changes per active mode — check screen display

COPY / PASTE

shift + groupc	copy bar (once) / full pattern (twice)
shift + groupd	paste to current position
shift + groupa	find next empty pattern

SYNC & CONNECTIVITY

PORT	TYPE / USE
sync in/out	3.5mm stereo · multiple sync standards
MIDI in/out	3.5mm TRS · notes, CC, clock, program
USB-C	MIDI device · firmware · sample transfer

SYNC OUT MODES

dual 8th note	sync 2× pocket operators via splitter
16th note	eurorack style · start / reset on ring
sync24	vintage drum machines (requires DIN adapter)

sync to PO: EP-133 out → PO in · set PO to SY2
 sync from PO: PO out → EP-133 sync in
 MIDI: compatible with controllers, sequencers, DAW clock

SCREEN & DISPLAY

66 unique icons	custom display — each icon = one feature
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screen shows current mode, BPM, step position, and active parameters. 66-icon map available at teenage.engineering/guides/ep-133/screen

SYSTEM SETTINGS

access: hold **shift** + **erase** → system menu or direct code entry

SETTING	OPTIONS
MIDI clock	off / in (receive) / out (send)
sync in rate	1/8 · 1/16 · sync24
sync out rate	1/8 · 1/16 · sync24 · dual 8th
pad velocity	off / hi / low
scale	12T / maj / min / dor / phr / lyd / mix / loc / ma.p / mi.p
scale key	C through B
metronome	on (rec+play) / rec only / count-in only
scene changes	immediate / sync to bar end
MIDI sends:	clock · start · stop · continue · position · note · CC · pitch bend · program change · pressure

SPECS

storage	128 MB total · 999 sample slots
sample rate	native 46,875 Hz · lower rates supported
projects	9 · scenes 99 · patterns 99/group
BPM	40-399
max pattern	99 bars
pads	12 · velocity-sensitive (configurable)
fx	6 built-in · punch-in fx 2.0™
screen	custom · 66 unique icons
power	4 × AAA · or USB-C 5V / 1A min
successor to PO-33 K.O.!	128 MB vs 40 sec · full song mode · MIDI · sync24