

ep series

COMMON FEATURES — EP-40 · EP-1320 · EP-133

teenage.engineering · master reference

HARDWARE CONTROLS — ALL EP MODELS

groups A-D	select group
pads 1-12	trigger / steps / numbers
sound	sound selection mode
shift+sound	sound edit mode
main	main / sequencer mode
tempo	BPM & metronome
record	arm recording
play	play / stop
shift	modifier (alt functions)
erase	erase / delete
sample	sampling mode
shift+sample	chop mode
timing	note intervals & swing
shift+timing	timing correct (per-pad)
fx	effects
keys	keyboard / scale mode
fader	volume / automation
knob X / Y	context-sensitive params
minus / plus	navigate / adjust
enter	confirm

ep-1320 uses unique button names (sonus, manus, codex, etc.) — see model card, page 2

LIVE RECORD

tap record → play	4-beat count-in → start recording
record + play	start immediately (no count-in)
hold record +pad	overdub pad to existing pattern
press play	stop & pause
press record	continue playing (stop recording)

STEP SEQUENCER

minus / plus	navigate steps (when stopped)
shift +minus	jump to step 1.1.1 (pattern start)
hold record +pad	record pad to current step
hold erase +pad	delete notes on pad

PATTERN LENGTH

hold record +plus	extend pattern beyond 1 bar
max length	99 bars per group

NOTE PROPERTIES — HOLD SHIFT + PAD

knob X	velocity
knob Y	duration
minus / plus	nudge note timing (quantize or free time)

ERASE & UNDO

hold erase +pad	erase notes on pad · hold long = all
hold erase +group	erase current pattern
hold erase + main	erase current scene
shift + group B	undo

TIMING & NOTE INTERVALS

INTERVAL	STEPS / BAR
1/8	8
1/8T	12 (triplet)
1/16	16
1/16T	24 (triplet)
1/32	32
knob X / Y	interval / swing
minus / plus	quantize / free time mode
hold timing +pad	note repeat
shift + timing	timing correct (per-pad quantize)

LOOP — SHIFT + TEMPO

hold shift + tempo	create loop (hold duration = length)
knob X	loop position (tempo-locked)
knob Y	loop length
press tempo	exit loop immediately
press main	exit loop at next bar boundary

SONG STRUCTURE — ALL EP MODELS

projects	9 · independent compositions
groups A-D	4 per project · 12 sounds + 99 patterns each
patterns	99 per group · max 99 bars
scenes	99 · sections that make up a song
song positions	99 · chain scenes 1-99 in order
COMMIT — SHIFT + MAIN (ALL MODELS)	
shift + main	commit: duplicate current scene, advance

SYNC & CONNECTIVITY — ALL MODELS

PORT	TYPE
sync in / out	3.5mm · 1/8 · 1/16 · sync24
MIDI in / out	3.5mm TRS · notes, CC, clock, program
USB-C	MIDI host · firmware · sample transfer

sync to PO: EP out-PO in, PO-SY2 · from PO: PO out-EP in, PO-SY1

UNIVERSAL SPECS

power	4 × AAA · or USB-C 5V / 1A
BPM range	40-399
max pattern	99 bars per group
projects / scenes	9 / 99
storage	128 MB · 999 sample slots (all models)

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MODEL GUIDE — UNIQUE FEATURES PER DEVICE

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EP-40 RIDDIM		128MB SAMPLER & COMPOSER
supertone	hold sound +* = supertone sound engine (EP-40 exclusive) · sub-sounds 0-9 via pads	
play modes	oneshot · key (poly) · legato · loop (background sync — EP-40 exclusive)	
tempo match	sample + tempo = auto-detect BPM of loaded sample	
compressor	shift + fx = master compressor & output settings	
sound edit+	shift + sound hold 2s = save sound edits permanently	
fader reset	shift + fader = reset fader to default (RES)	
storage	128 MB · 999 sample slots	
KNOB MAP BY MODE		
sound	X: volume (AMP) · Y: pitch (PTC)	
sampling	X: input level · Y: threshold	
main	X: input volume · Y: route through FX	
tempo	X: BPM (40-399) · Y: metro volume	
timing	X: note interval · Y: swing	
chop	X: in point · Y: out point	
loop	X: loop length · Y: slide position	
step seq	hold shift+pad → X: velocity · Y: duration	

EP-1320 MEDIEVAL		128MB SAMPLER · 96MB MEDIEVAL ROM
BUTTON NAME REFERENCE (EP-1320 UNIQUE TERMINOLOGY)		
sonus	sound	
manus	main	
tempus	tempo	
codex	record	
fabula	play	
altero	shift	
erado	erase	
demus	sample	
quantum	timing	
faedr	fader	
pocus	fx	
claves	keys	
intra	enter	
necto	loop (altero+tempus)	
ROM SOUND LIBRARY (SONUS 1-220)		
1-69	drums	
70-114	phrases	
115-127	instruments	
128-155	one shots	
156-220	SFX / foley	
221-999	user samples (up to 32 MB)	
UNIQUE FEATURES		
scales (claves)	10 scale modes via system settings 310-319: 12T / maj / min / dor / phr / lyd / mix / loc / ma.p / mi.p	
quantum correct	altero + quantum = quantize individual pads (not full pattern)	
pocus effects	7 effects · pocus → faedr = send level · hold pocus +pad = punch-in	
faedr auto	hold codex +faedr = record automation · hold group+faedr = project volume	
lock mode	hold manus at startup = read-only (prevents edits)	
system codes	altero+erado → numeric code entry (100-411 range)	

EP-133 K.O. II		128MB SAMPLER · SUCCESSOR TO PO-33
punch-in FX 2.0	hold fx +pad during playback = real-time effect on that pad · 6 built-in FX	
compressor	shift + fx = master compressor · knob X = speed · knob Y = amount	
display	custom screen · 66 unique icons · one per feature	
storage	128 MB · 999 sample slots · ~50 min at 11 kHz mono	
sound slots	999 · assign specific slot: hold sound +pads (number)+ enter	
SYNC OUT MODES (UNIQUE TO EP-133)		
dual 8th note	sync 2× pocket operators simultaneously via splitter cable	
16th (eurorack)	eurorack-style · start / reset on ring (right channel)	
sync24	vintage drum machines · requires 3.5mm-to-DIN adapter	
BUILT-IN EFFECTS (FX BUTTON)		
Delay	Reverb	Distortion
Chorus	Filter	Compressor
VS PO-33 K.O! (PREDECESSOR)		
memory	128 MB vs 40 sec total	
song mode	99 scenes + 99 song positions vs none	
MIDI	full MIDI in/out vs none	
sync	sync24 + Eurorack + USB vs 3.5mm only	
projects	9 full projects vs 1	