

# ep-1320 medieval

QUICK REFERENCE CHEATSHEET

teenage.engineering · sampler &amp; composer

HARDWARE CONTROLS	
CONTROL	FUNCTION
paeds 1-12	trigger sounds · step entry · number pad
groupa-d	select group (drums / bass / melody / loops)
sonus	sound selection & edit mode
manus	main mode (sequencer & song)
tempus	tempo mode
claves	keyboard / scale mode
codex	record arm
fabula	play / stop
altero	alt / shift modifier
erado	erase / delete
quantum	timing & note interval
faedr	fader (volume / automation)
demus	sample recording mode
intra	enter / confirm
minus / plus	navigate · scroll · adjust
knobX	parameter 1 (context-sensitive)
knobY	parameter 2 (context-sensitive)

**altero** + **erado** = system settings ·  
**altero** + **groupb** = undo

SONUS — SOUND MODE	
minus / plus	scroll sounds one-by-one
<b>altero</b> + minus/plus	jump by 10
hold <b>sonus</b> + pads	direct number entry (e.g. 0-5-3)
hold pad	preview sound name
SOUND LIBRARY (ROM — READ-ONLY)	
1-69	drums
70-114	phrases
115-127	instruments
128-155	one shots
156-220	SFX / foley
221-999	user samples

SONUS EDITO — <b>ALTERO</b> + <b>SONUS</b>		
navigate sub-modes with minus/plus		
MODE	KNOBX	KNOPY
sound	play mode (oneshot / key / legato)	pan (L/C/R)
trim	sample start point	sample length
envelope	attack	release
time stretch	mode (BPM / BAR)	tempo / bars
MIDI	MIDI channel (per pad)	root note
muto group	last-pressed pad mutes others in group	

MANUS — MAIN MODE	
NAVIGATION	
hold <b>manus</b> + pad 1-9	switch project
hold <b>manus</b> + minus/plus	select scene 01-99
hold group + minus/plus	select pattern within group
hold faedr	select fader assignment (printed above pads)
ALTERO SHORTCUTS (IN MANUS)	
<b>altero</b> + <b>groupa</b>	find next empty pattern
<b>altero</b> + <b>groupb</b>	undo
<b>altero</b> + <b>groupc</b>	copy bar (press once) / full pattern (twice)
<b>altero</b> + <b>groupd</b>	paste
<b>altero</b> + <b>manus</b>	commit — duplicate scene & advance
<b>altero</b> + minus/plus	navigate bars

TEMPUS — TEMPO MODE	
knobX	BPM (60-180 via knob · 40-399 via pad entry)
knobY	metronome volume
hold <b>tempus</b> + pads	direct BPM entry (e.g. 120.51)
<b>manus</b> + <b>tempus</b>	set time signature (knobX / knobY)

CLAVES — KEYBOARD MODE	
press <b>claves</b>	on padchromatic layout across 12 paeds
hold <b>claves</b> + minus/pads	shift octave up / down
hold <b>claves</b> + pad	transpose root note

scale type set in system settings (altero+erado) → paed → scale

LIVE RECORD	
press <b>codex</b> → <b>fabula</b>	beat count-in → record
<b>codex</b> + <b>fabula</b>	start recording immediately (no count-in)
<b>altero</b> + <b>fabula</b>	record from pattern start
press <b>fabula</b>	stop recording & pause playback
press <b>codex</b>	continue playing (stop recording)
hold <b>codex</b> + pad	overdub pad while playing
PATTERN LENGTH	
hold <b>codex</b> + minus/pads	adjust length before recording
<b>codex</b> + <b>altero</b> + plus	duplicate length (preserves notes)
default: 1 bar · max: 99 bars per group	

STEP SEQUENCE	
minus / plus	navigate steps (when stopped)
hold <b>codex</b> + pad	record pad to current step
hold <b>erado</b> + pad	delete notes on pad
lit pads	indicate recorded content
NOTE PROPERTIES (HOLD ALTERO + PAD)	
knobX	note velocity
knobY	note duration (1 tick - 1 bar)
minus/plus	nudge note timing (quantize or free time)
resolution: 96 ppqn · 24-tick steps (OP-Z compatible)	

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FUNCTIONS · SYNC · SYSTEM

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## QUANTUM — TIMING & INTERVALS

INTERVAL	STEPS/BAR
1/8	8 steps
1/8T	12 steps (triplet)
1/16	16 steps
1/16T	24 steps (triplet)
1/32	32 steps

press **quantum**: knobX = interval · knobY = swing  
**minus** = quantize mode · **plus** = free time

### NOTE REPEAT (HOLD QUANTUM + PAD)

hold **quantum**+pad repeat at selected interval  
 hold **quantum**+multi-pad peddle across held pads

pressure-sensitive when velocity enabled

### QUANTUM CORRECTUS — **ALTERO** +

**QUANTUM**  
 stopped: press pad quantize all steps on that pad  
 playing: hold pad quantize notes while held  
 knobX target note interval  
 knobY swing (at 1/8 or 1/16)

## NECTO — LOOP

**altero**+**tempus** create loop (hold to set length)  
 knobX slide loop position (tempo-locked)  
 knobY set loop length  
 press **tempus** exit loop immediately  
 press **manus** exit loop at next bar boundary

## FAEDR — AUTOMATION

hold **faedr** view automations · blinking = has data  
 hold **codex**+**faedr** record faedr movements  
 hold group pad+**faedr**adjust group project volume  
**altero**+**faedr** reset to defaults (RES → press again = undo)  
**altero**+**faedr** (move)fine-grained value control  
 hold **erado**+**faedr** 2erase all automation (FDR blinks → DEL)

fader assignments printed above pads · reassign by holding faedr

## ERADO — ERASE & UNDO

hold **erado**+pad delete notes on pad (live or stopped)  
 hold **erado**+pad (long)erase all track notes (TRK blinks)  
 hold **erado**+groupa-erase current pattern (PTN blinks)  
 hold **erado**+**manus** erase current scene (SCN blinks)  
 hold **manus**+**erado**+paderase entire project  
**altero**+**groupb** undo (shield icon when available)

## SAMPLE — **ALTERO** + **DEMUS**

hold pad start recording to that pad  
 release pad stop recording  
 press pad audition recorded sample  
 minus/plus select input: stereo LR / L / R / mono C  
 knobX / knobY amplitude / volume  
 press **manus** exit sample mode

slots 221+ · hold  
 sonus+pads+intra-**altero**+**demus** = specific slot · **erado**+**sonus** = delete

## CHOP — **ALTERO** + **DEMUS** + **DEMUS**

### AUTO CHOP

select group A-D assign slices to that group  
 minus / plus adjust number of slices

beat-tracking auto-detection · populates bottom-left → top-right

### LIVE CHOP

hold pad chop (hold duration = slice length)  
 select pad → knobX refine slice start point  
 select pad → knobY refine slice end point  
 hold **altero**+knob fine adjustment

## SYNC & MIDI

PORT	TYPE
sync in/out	3.5mm · 1/8 note / 1/16 note / Sync24
MIDI in/out	3.5mm TRS · notes, CC, clock, program

USB-C MIDI host · firmware · sample transfer

to PO: EP out-PO in, PO-SY2, 1/8 rate · from PO: PO out-EP in, PO-SY1 · vintage: Sync24

## SYSTEM SETTINGS — **ALTERO** + **ERADO**

navigate: minus/plus · confirm: intra · or type code + intra

SETTING	CODES / OPTIONS
MIDI clock	off (100) · receive (101) · send (102)
sync in rate	1/8 (200) · 1/16 default (201) · sync24 (202)
sync out rate	1/8 (210) · 1/16 default (211) · sync24 (212)
pad velocity	off default (300) · hi (301) · low (302)
scale	type 310-319 · key 320-331 (see guide for values)
metronome	rec+play (400) · rec only default (401)
scenes	immediate default (410) · sync to bar end (411)