

po-33 k.o!

QUICK REFERENCE CHEATSHEET

pocket operator · teenage.engineering

HARDWARE CONTROLS							
CONTROL	FUNCTION						
keys 1-16	sound slots / patterns / fx / steps / volume						
knob A	param 1 (pitch / filter / start · context)						
knob B	param 2 (volume / resonance / length · context)						
sound	hold + key to select sound slot						
record	hold + key to sample to that slot						
pattern	hold + key to select / chain						
fx	press = cycle params · hold + key = effect						
bpm	cycle presets; hold + knobs to fine-tune						
write	enter write / record mode						
play/stop	start and stop sequencer						
TEMPO							
<table border="1"> <thead> <tr> <th>HIP HOP</th> <th>DISCO</th> <th>TECHNO</th> </tr> </thead> <tbody> <tr> <td>80</td> <td>120</td> <td>140</td> </tr> </tbody> </table>	HIP HOP	DISCO	TECHNO	80	120	140	
HIP HOP	DISCO	TECHNO					
80	120	140					
hold bpm + knob B = fine-tune (60-240 BPM)							
hold bpm + knob A = swing							
hold bpm + 1-16 = volume (caution above 5 w/ headphones)							

SAMPLING & SOUND SLOTS		
SLOT LAYOUT		
slots 1-8	melodic · keys 1-16 = scale pitches	
slots 9-16	drum · keys 1-16 = individual slices	
RECORDING		
hold rec + key 1-16	record to slot (mic or line-in)	
release key	stop recording	
hold rec + sound	delete sound from active slot	
hold write + sound + 1-16	copy active sound to slot	
total memory: 40 sec · mic built-in · drum slices adjustable individually		
PARAMETERS (PRESS FX TO CYCLE)		
SET	KNOB A	KNOB B
TONE	pitch	volume
FILTER	filter freq	resonance
TRIM	start point	length
for drum slots: adjust the last-triggered slice · param lock supported		

EFFECTS (HOLD FX + KEY)			
1 Loop 16	2 Loop 12	3 Loop Short	4 Loop Shorter
5 Unison	6 Unison Low	7 Octave Up	8 Octave Down
9 Stutter 4	10 Stutter 3	11 Scratch	12 Scratch Fast
13 6/8 Quantize	14 Retrigger Ptn	15 Reverse	16 No Effect
hold fx + 1-15 while playing = apply effect			
hold write + fx + 1-15 (playing) = save effect to pattern			
press fx alone = cycle TONE → FILTER → TRIM			

SEQUENCER & RECORDING	
BASICS	
play/stop	start / stop
write	write mode (REC on LCD)
keys 1-16 (write)	enter / remove steps
16 patterns	each with 16 steps
LIVE RECORD	
hold write + key (playing)	punch in live (quantize d)
hold write + knobs (playing)	param lock TONE or FILTER
STEP MULTIPLIER	
hold step + M	multiply step length
PATTERNS & CHAINS	
hold ptn + key	select pattern
hold ptn + sequence	chain (up to 128 patterns)
hold write + ptn + key	copy pattern to slot
rec + ptn	clear pattern
chain: 1,1,1,4 → pattern 1 × 3 then pattern 4	

po-33 k.o!

COMBOS · SYNC · SPECS

page 2 of 2

ALL BUTTON COMBINATIONS

COMBINATION	ACTION
hold sound +1-16	select sound slot
hold rec +1-16	sample to that slot (release to stop)
hold rec + sound	delete sound from active slot
hold write + sound +1-16	copy active sound to slot
hold fx +1-15 (playing)	apply effect
hold write + fx +1-15 (playing)	save effect to pattern
press fx	cycle params (TONE→FILTER→TRIM)
hold ptn +1-16	select pattern
hold ptn +sequence	chain patterns (up to 128)
hold write + ptn +1-16	copy pattern to slot
rec + ptn	clear pattern
press bpm	cycle presets (80 / 120 / 140)
hold bpm +knob B	fine-tune tempo (60-240 BPM)
hold bpm +knob A	adjust swing
hold bpm +1-16	set master volume (caution above 5)
press write	enter write / record mode
hold write +1-16 (playing)	live punch-in (quantized)
hold write +knobs (playing)	param lock TONE or FILTER
hold step+ M	step multiplier
rec + bpm	toggle sync mode (SY0-SY5)
sound + bpm	check battery status
hold ptn + write at battery insert	factory reset

DATA TRANSFER

ACTION	COMBO
transmit	write + sound + play
receive	write + sound + rec - WARNING: erases existing data
backup	line-out → recorder · then write + sound + play
restore	recorder → line-in · write + sound + rec → play audio

SYNC & CONNECTIVITY

SYNC MODES - HOLD REC + BPM TO TOGGLE

MODE	INPUT	OUTPUT
SY0	stereo	stereo (default)
SY1	stereo	mono + sync
SY2	sync	stereo
SY3	sync	mono + sync
SY4	mono + sync	stereo
SY5	mono + sync	mono + sync

3.5mm stereo cable · audio: right ch · sync: left ch · max 5Vpp

TWO-UNIT SETUP

master	SY1 or SY3 (sync out on left ch)
slave	SY2 or SY4 (sync in on left ch)

SPECS & POWER

recording	40 sec total memory
sound slots	16 (1-8 melodic, 9-16 drum)
effects	16
parameters	3 sets (TONE / FILTER / TRIM)
patterns	16 × 16 steps
max chain	128 patterns
BPM range	60-240 (presets: 80 / 120 / 140)
volume	16 levels (caution above 5 w/ headphones)
sync modes	6 (SY0-SY5)
power	2 × AAA batteries
built-in mic	yes
auto power-off	5 min idle / 60 min w/ line-in
lock tab	breaks off to freeze patterns (disables sampling)

POWER CONTROLS

sound+**bpm** check battery status

any key wake from sleep

factory reset: hold **ptn**+**write** while inserting batteries