

po-12 rhythm

QUICK REFERENCE CHEATSHEET

pocket operator · teenage.engineering

HARDWARE CONTROLS

CONTROL	FUNCTION
keys 1-16	sounds / patterns / fx / steps / volume
knob A	param 1 / swing / hours (context)
knob B	param 2 / tempo / minutes (context)
sound	hold + key to select drum sound
pattern	hold + key to select / chain
fx	hold + key to toggle effect
bpm	cycle presets; hold + knobs to fine-tune
write	enter write / record mode
play/stop	start and stop sequencer

SOUND PARAMETERS

knob A	param 1 (pitch / rate / tone)
knob B	param 2 (decay / color / texture)

per-step parameter locking supported

TEMPO

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 (max 16; caution above 5 w/ headphones)

SOUNDS (HOLD SOUND + KEY)

1 Bass Drum	2 Snare Drum	3 Closed Hi-Hat	4 Open Hi-Hat
5 Synth Snare	6 Sticks	7 Cymbal	8 Noise
9 Hand Clap	10 Click	11 Low Tom	12 Hi Tom
13 Cow Bell	14 Blip	15 Tone	16 Bass Tone

knobs A+B shape each sound independently
· values can be locked per step

EFFECTS (HOLD FX + KEY)

1 Lo Sample Rate	2 Distortion	3 Bit Crush	4 Delay
5 LP Filter	6 LP Sweep	7 HP Filter	8 HP Sweep
9 Stutter 4	10 Stutter 3	11 Repeat 8	12 Repeat 6
13 Note Shuffle	14 Feedback	15 Param LFO	16 Vibrato

hold **fx** alone = clear all effects

fx + **play** = fade out & stop

some effects are mutually exclusive

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 (quantized)

hold **write** + knobs (playing) automate params over time

PARAMETER LOCK

hold key + knobs (write) lock A/B values to that step

STEP MULTIPLIER / RETRIGGER

hold key + **bpm** insert retrigger on step

press **bpm** again 2x · 4x · 8x · 16x

PATTERNS & CHAINS

hold **ptn** + key select pattern

hold **ptn** + sequence chain up to 16 patterns

hold **write** + **ptn** + key copy pattern to slot

fx + **ptn** clear active pattern

chain: 1,1,1,4 → pattern 1 × 3, then pattern 4

po-12 rhythm

COMBOS · SYNC · SPECS

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ALL BUTTON COMBINATIONS

COMBINATION	ACTION
hold sound +1-16	select drum sound
hold ptn +1-16	select pattern
hold fx +1-16	toggle effect on/off
hold fx (no key)	clear all effects
fx + play	fade out and stop
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 (1-16)
press write	enter write / record mode
hold write +1-16 (playing)	live punch-in recording (quantized)
hold key+knobs (write mode)	parameter lock that step
hold write +knobs (playing)	automate param across timeline
hold key+ bpm (write)	insert step retrigger
hold ptn +sequence of keys	chain patterns (up to 16)
hold write + ptn +1-16	copy pattern to slot
fx + ptn	clear active pattern
sound + bpm	check battery status
sound + write	power off (saves all data)
hold ptn + write at battery insert	factory reset

CLOCK & ALARM

on startup	knob A = hours · knob B = minutes · any key to confirm
set alarm	hold sound + ptn → knobs for time → key to set pattern
disable alarm	set alarm, turn knob A all the way down
reset clock	remove batteries and restart

SYNC & CONNECTIVITY

SYNC MODES — HOLD FUNC + BPM TO CYCLE

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

sounds	16 drum & percussion voices
effects	16
patterns	16 × 16 steps
max chain	16 patterns
BPM range	60-240 (presets: 80 / 120 / 140)
volume	16 levels (caution above 5 w/ headphones)
sync modes	6 (SY0-SY5)
step multiplier	2× · 4× · 8× · 16×
power	2 × AAA batteries
auto power-off	5 min idle / 60 min w/ line-in

POWER CONTROLS

sound + write	manual power off (saves data)
sound + bpm	check battery status
any key	wake from sleep

same battery type only — do not mix · all data saves on power-off
factory reset: hold **ptn**+**write** while inserting batteries