

po-24 office

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 noise 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
solo	hold + key to toggle solo on sound
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 (caution above 5 w/ headphones)

SOUNDS (HOLD SOUND + KEY)

1 5.25" Floppy	2 3.5" Eject	3 3.5" Floppy	4 Keyboard
5 Matrix Printer	6 Joystick	7 Mouse Click	8 Toggle Switch
9 Bass Drum	10 PC Beeper	11 Hardsync Tone	12 Hardsync Noise
13 Ring Mod	14 Bass	15 Glitch FX	16 Noise FX

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

EFFECTS (HOLD FX + KEY)

1 Aliasing	2 Overdrive	3 Repeat 4	4 Repeat 2
5 LP Filter	6 LP Sweep	7 HP Filter	8 HP Sweep
9 Distort Low	10 Distort High	11 Retrigger	12 Retrigger Fast
13 Glitch	14 Glitch Fast	15 Blinds	16 Noise Effect

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
max chain	up to 128 patterns

LIVE RECORD

hold write + key (play)	record in live (quantized)
hold write + knobs (pattern)	automate params over time

PARAMETER LOCK

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

hold key + bpm (write)	2x · 4x · 8x · 16x
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SOLO

hold solo +1-16	toggle solo on that sound
solo clears at	next pattern boundary
hold solo + bpm	cycle sync modes

PATTERNS & CHAINS

hold ptn + key	select pattern
hold ptn + sequence	chain up to 128 patterns
hold write + ptn + key	copy pattern to slot

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COMBOS · SYNC · SPECS

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ALL BUTTON COMBINATIONS

COMBINATION	ACTION
hold sound +1-16	select 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 (caution above 5 w/ headphones)
press write	enter write / record mode
hold write +1-16 (playing)	live punch-in recording (quantized)
hold write +knobs (playing)	automate param across timeline
hold key+ bpm (write)	step multiplier (2× / 4× / 8× / 16×)
hold solo +1-16	toggle solo on that sound (clears at next pattern boundary)
hold ptn +sequence of keys	chain patterns (up to 128)
hold write + ptn +1-16	copy pattern to slot
solo + bpm	toggle sync mode (cycles SY0-SY5)
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 SOLO + 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)

note: po-24 uses **solo**+**bpm** to cycle sync (not fx+bpm)

SPECS & POWER

sounds	16 office / noise / percussion
effects	16
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
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