

po-35 speak

QUICK REFERENCE CHEATSHEET

pocket operator · teenage.engineering

HARDWARE CONTROLS

CONTROL	FUNCTION
keys 1-16	sound slots / patterns / fx / steps / volume
knob A	pitch or start point (context · see params)
knob B	formant or playback speed (context · see params)
sound	hold + key to select sound slot
record	hold + key to sample to that slot
pattern	hold + key to select / chain / transpose / scale
fx	press = cycle params · hold + key = voice or fx
bpm	cycle presets; hold + knobs to fine-tune
write	enter write / record mode
play/stop	start and stop sequencer

PARAMETERS (PRESS FX TO CYCLE)

SET	KNOB A	KNOB B
Pitch+Formant	pitch	formant
Start+Speed	start point	playback speed

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)

VOICES (HOLD FX + KEY 1-8)

1 Neutral	2 Autotune	3 Retro	4 Noise
5 Robot	6 Fifth	7 Vocoder	8 Synth

hold **fx**+1-8 = select voice · saved to pattern if write mode on

SOUND SLOTS & RECORDING

SLOT LAYOUT

slots 1-15 vocal recordings (max 8 sec each)

slot 16 reserved (PO-32 Tonic variant)

RECORDING

hold **rec**+key 1-15 record voice (mic or line-in)

release key stop recording

built-in mic · max 8 sec per slot · 15 slots total

TRANSPOSE & SCALE

hold **ptn**+knob A transpose key

hold **ptn**+knob B change scale

EFFECTS (HOLD FX + KEY 9-15)

9 Stutter Sweep	10 Trance Gate	11 Half Rate	12 16 Bar Build
13 6/8 Quantize	14 Retrigger Ptn	15 Reverse	16 No Effect

hold **fx**+9-15 = apply effect · saved to pattern if write mode on

hold **fx**+16 = clear saved effects

press **fx** alone = cycle Pitch+Formant → Start+Speed

FX DUAL PURPOSE

press **fx** alone cycle parameter sets

hold **fx**+1-8 select voice

hold **fx**+9-15 apply effect

hold **fx**+16 clear saved effects

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 across timeline

STEP MULTIPLIER

hold step+**M** multiply step length

PATTERNS & CHAINS

hold **ptn**+key select pattern

hold **ptn**+sequence chain (up to 64 patterns)

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

rec+**ptn** clear pattern

TRANSPOSE IN SEQUENCER

hold **ptn**+knob A change key / transpose

hold **ptn**+knob B change scale

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COMBOS · SYNC · SPECS

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ALL BUTTON COMBINATIONS

COMBINATION	ACTION
hold sound +1-15	select sound slot (16 = PO-32 variant)
hold rec +1-15	record to slot (mic or line-in, release to stop)
press fx	cycle params (Pitch+Formant ↔ Start+Speed)
hold fx +1-8	select voice
hold fx +9-15	apply effect
hold fx +16	clear saved effects
hold ptn +1-16	select pattern
hold ptn +sequence	chain patterns (up to 64)
hold ptn +knob A	transpose key
hold ptn +knob B	change scale
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 across timeline
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
receive	rec + sound
backup	line-out → recorder · write + sound
restore	recorder → line-in · rec + sound → play audio

Microtonic: tweak in Microtonic → press TE logo → receive via mic or line-in
 knob A = pitch · knob B = morph during Microtonic receive

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	8 sec per slot × 15 slots
voices	8 (Neutral / Autotune / Retro / Noise / Robot / Fifth / Vocoder / Synth)
effects	7 + no effect
parameters	2 sets (Pitch+Formant / Start+Speed)
patterns	16 × 16 steps
max chain	64 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	extended inactivity

POWER CONTROLS

sound + bpm	check battery status
any key	wake from sleep

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