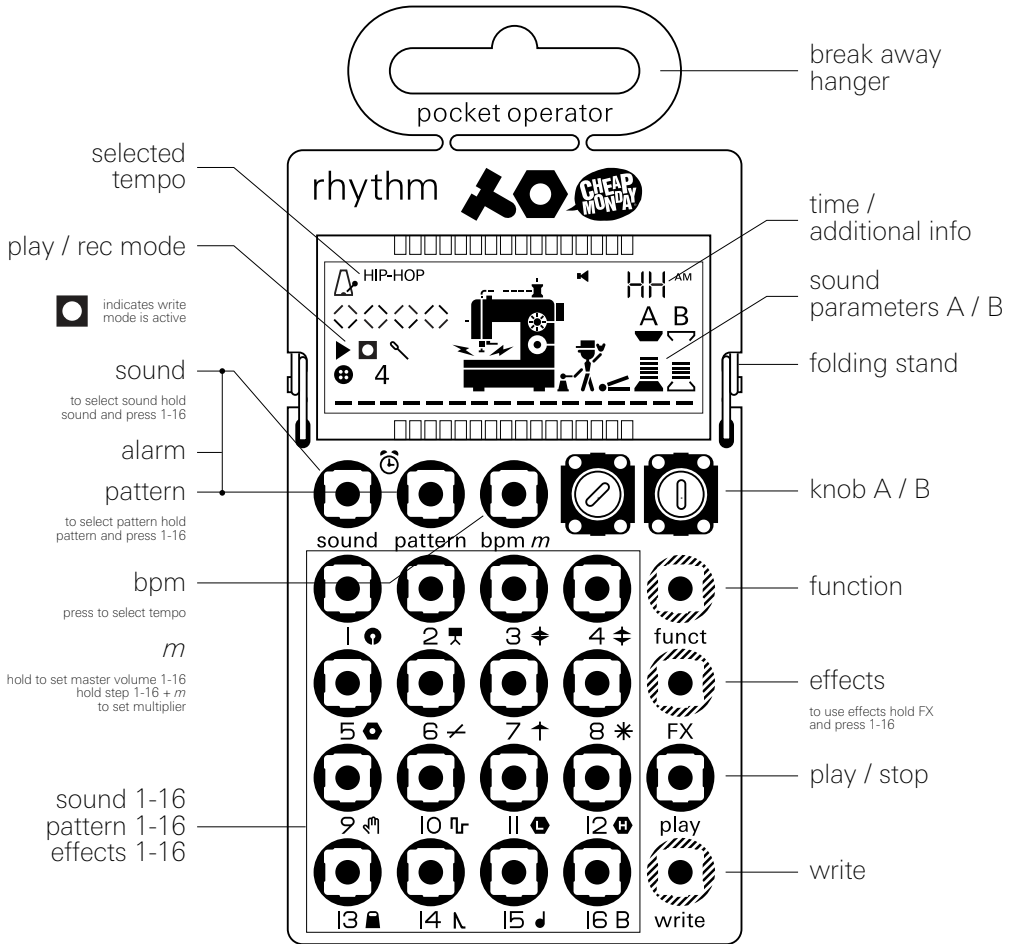


# PO-12 rhythm overview



auto power off (a.p.o.)  
 the unit auto powers off when no buttons are pressed for a while, only powering the display to show time.  
 press sound + bpm to show battery status.

## sound 1-16

1. bass drum
2. snare drum
3. closed hi-hat
4. open hi-hat
5. synthesized 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

## effect 1-16

1. low sample rate
2. distortion
3. bit crush
4. delay
5. lowpass filter
6. lowpass sweep
7. hipass filter
8. hipass sweep

9. stutter 3
10. stutter 8
11. repeat 8
12. repeat 6
13. note shuffle
14. feedback
15. parameter lfo
16. vibrato

# PO-12 rhythm manual

## ユーザーズマニュアル

### 1. getting started

#### power-up

insert two fresh AAA batteries.  
pay attention to plus and minus poles.

#### set clock

set time by turning knob A for hours and knob B for minutes.  
press any key to confirm and exit.

#### alarm clock

press sound + pattern. set alarm clock by turning A for hours and B for minutes. (disable by turning knob A all the way down.) press any key 1-16 to set pattern for the alarm. to stop alarm press any key.

#### reset clock

reset the clock by removing the batteries and start over.

### 2. play

#### select pattern

hold pattern and press any key from 1-16 to select pattern. blinking led indicates active pattern.

#### play

press play to start playing.  
press play again to stop.

#### sequencer

a pattern consists of 16 steps.

### 3. making a beat

#### select sound

hold sound and press any key from 1-16 to select sound.

#### create

press write. rec symbol is lit on screen. enter sound/notes in grid. active steps will be lit. press play to listen to your pattern.

### 4. tweak the sound

#### adding effects

while playing, hold FX and press any key 1-16 to punch-in effects. hold FX without pressing any key to clear effects

1. low sample rate
2. distortion
3. bit crush
4. delay

5. lowpass filter
6. lowpass sweep
7. hipass filter
8. hipass sweep
9. stutter 3
10. stutter 8
11. repeat 8
12. repeat 6
13. note shuffle
14. feedback
15. parameter lfo
16. vibrato

#### parameter locking

hold write while turning knobs to write sound parameter changes over time.

#### 5. swing

hold bpm and turn A to adjust the swing.

#### 6. tempo

press bpm to switch tempo. the bpm will be displayed in the upper right corner of the screen.  
HIP HOP (80 bpm)  
DISCO (120 bpm)  
TECHNO (140 bpm)  
hold bpm and turn B to fine-tune tempo (from 60 to 240 bpm).

#### 7. volume

hold bpm and press any key 1-16 to adjust master volume.

#### 8. live record

while playing, hold write and press any key 1-16 to punch in notes. notes will be quantized along with current swing setting. release write when finished.

#### 9. step multiplier

press and hold any key 1-16 to select step while pressing bpm to insert a re-trig on that step. press bpm multiple times to switch between 2, 4, 8 or 16 multiplier.

#### 10. making a song (pattern chaining)

##### copy pattern

hold write + pattern and press 1-16 to paste the active pattern to the corresponding new slot.

##### clear pattern

press funct + pattern to clear the active pattern.

##### chain pattern

press and hold pattern and select which patterns 1-16 to chain by pressing the corresponding key

1-16. up to 16 patterns can be chained.  
one pattern can be selected multiple times. example 1,1,1,4 plays pattern 1 three times then moves on to pattern 4. after last pattern is played the sequence will start over again.

### 11. sync multiple units

connect a standard stereo audio cable between the units. the master unit will control the tempo of the slave unit. hold funct and press bpm on master unit to toggle sync modes. press repeatedly to toggle between different modes displayed in the upper right corner of the screen. press play on slave unit to wait for master clock sync. press play on master to start.

#### sync modes

there are 5 sync modes. default mode is SY0.  
when sync is used the signal will be split between audio (right) and sync (left).

#### sync scenarios

##### example A

chain: PO-12 → PO-14 → PO-16  
setting: SY1 SY5 SY4

##### example B

chain: external → PO-12  
setting: volca SY2  
iphone  
computer  
synckontrol

##### example C

chain: ext. → PO-12 → PO-14  
setting: SY3 SY4

##### example D

chain: PO-12 → ext. (split cable)  
setting: SY1

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