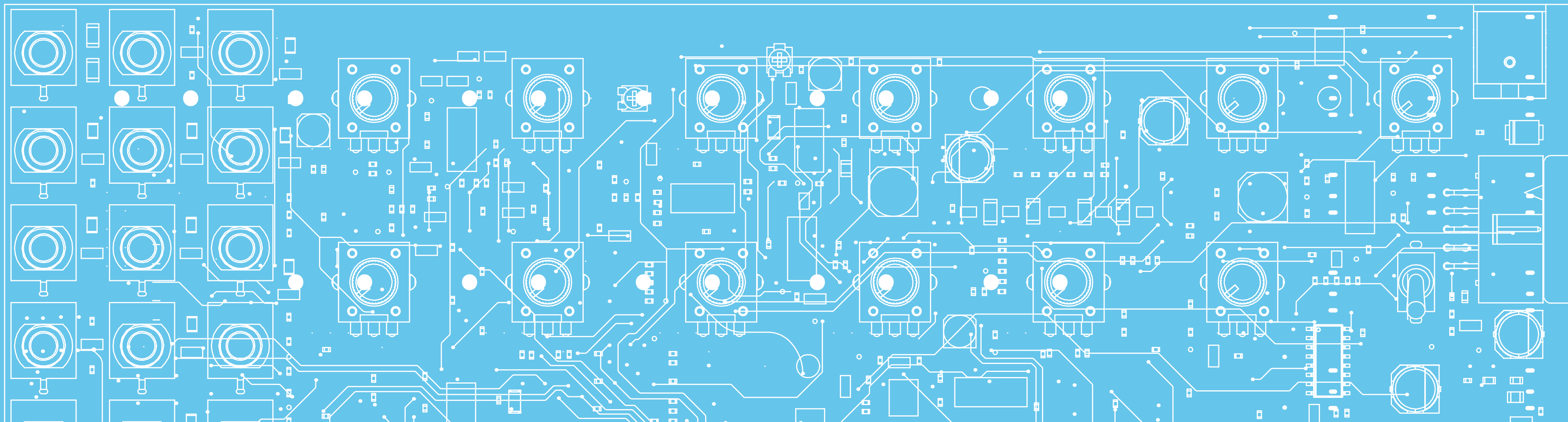
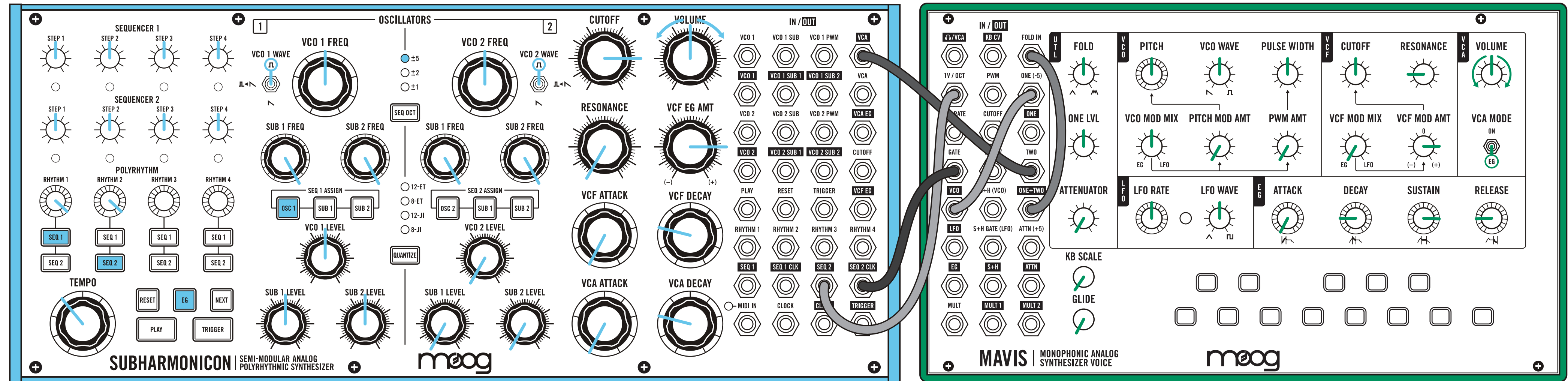


# Mavis + Subharmonicon

## Exploration Patch Book



# How to Sequence Subharmonic + Mavis



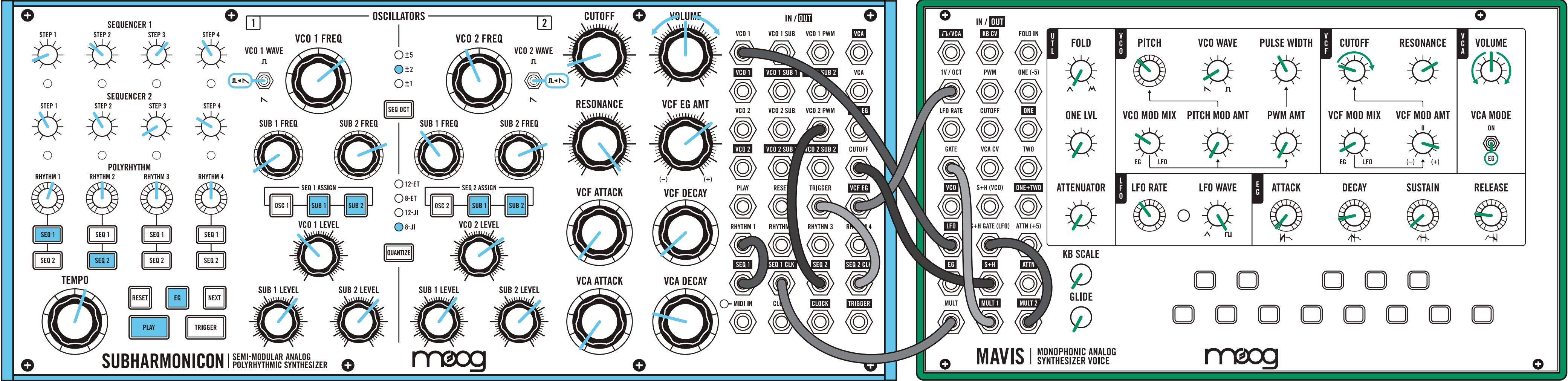
**NOTES:**

Press **PLAY** on Subharmonicon. **SEQ 1** sequences Subharmonicon and **SEQ 2** sequences Mavis.

Mavis **ONE LVL** knob adjusts Mavis while Subharmonic **VOLUME** adjusts its level.

Monitor from Mavis /VCA output.

# A Tall Glass of Alka-Seltzer

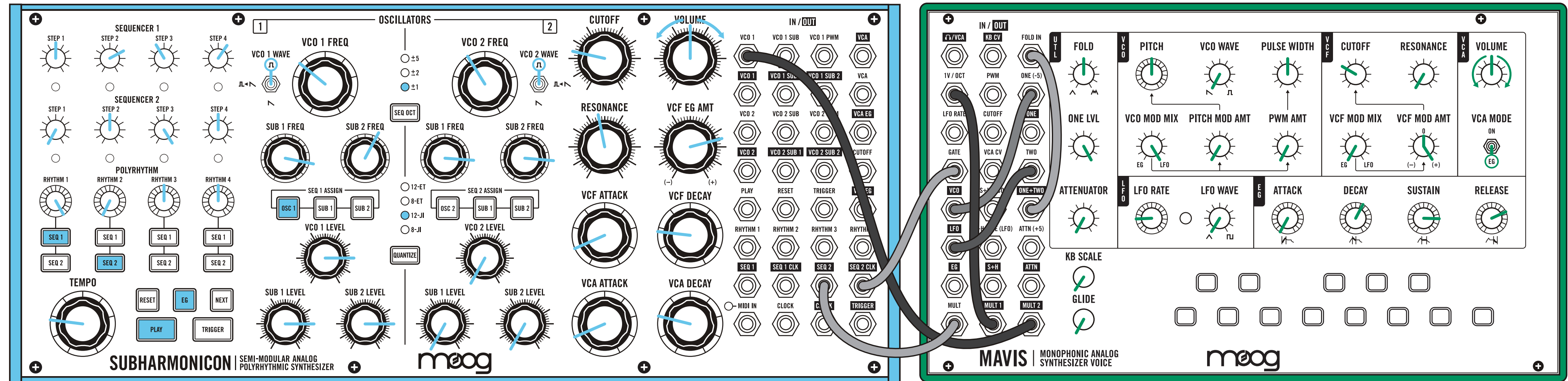


**NOTES:**

- Play with VCA ATTACK and DECAY to move between grumbles, clicks, and lasers.
- Play with Mavis CUTOFF for deeper gurgles.



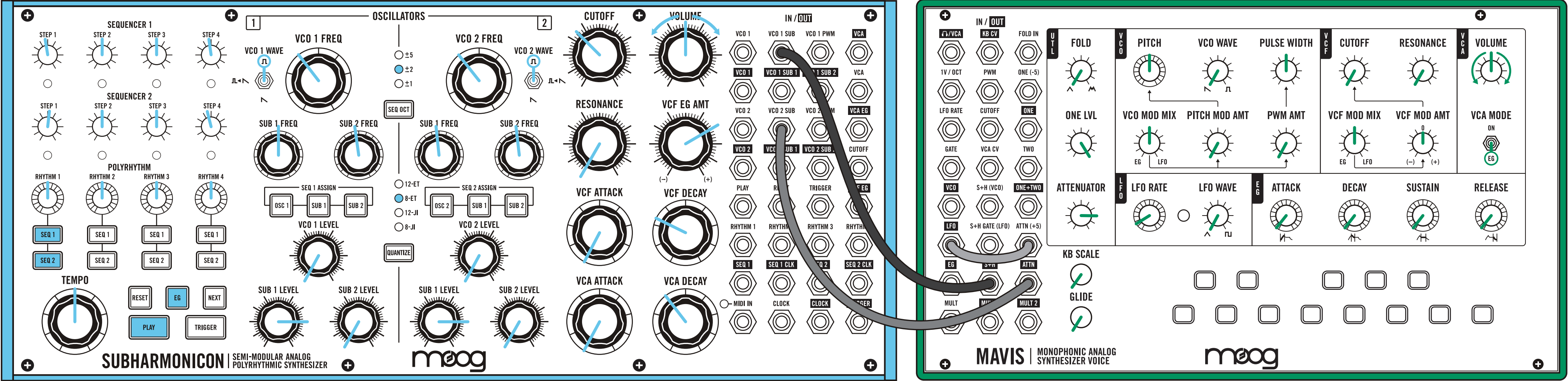
# Climbing Up and Down the Octaves



**NOTES:**

Tune VCO 1 and Mavis Oscillator. The knob settings for **SEQUENCER 2** in the diagram are meant to achieve a jump between octaves, so make sure to adjust the knob settings carefully to achieve this effect.

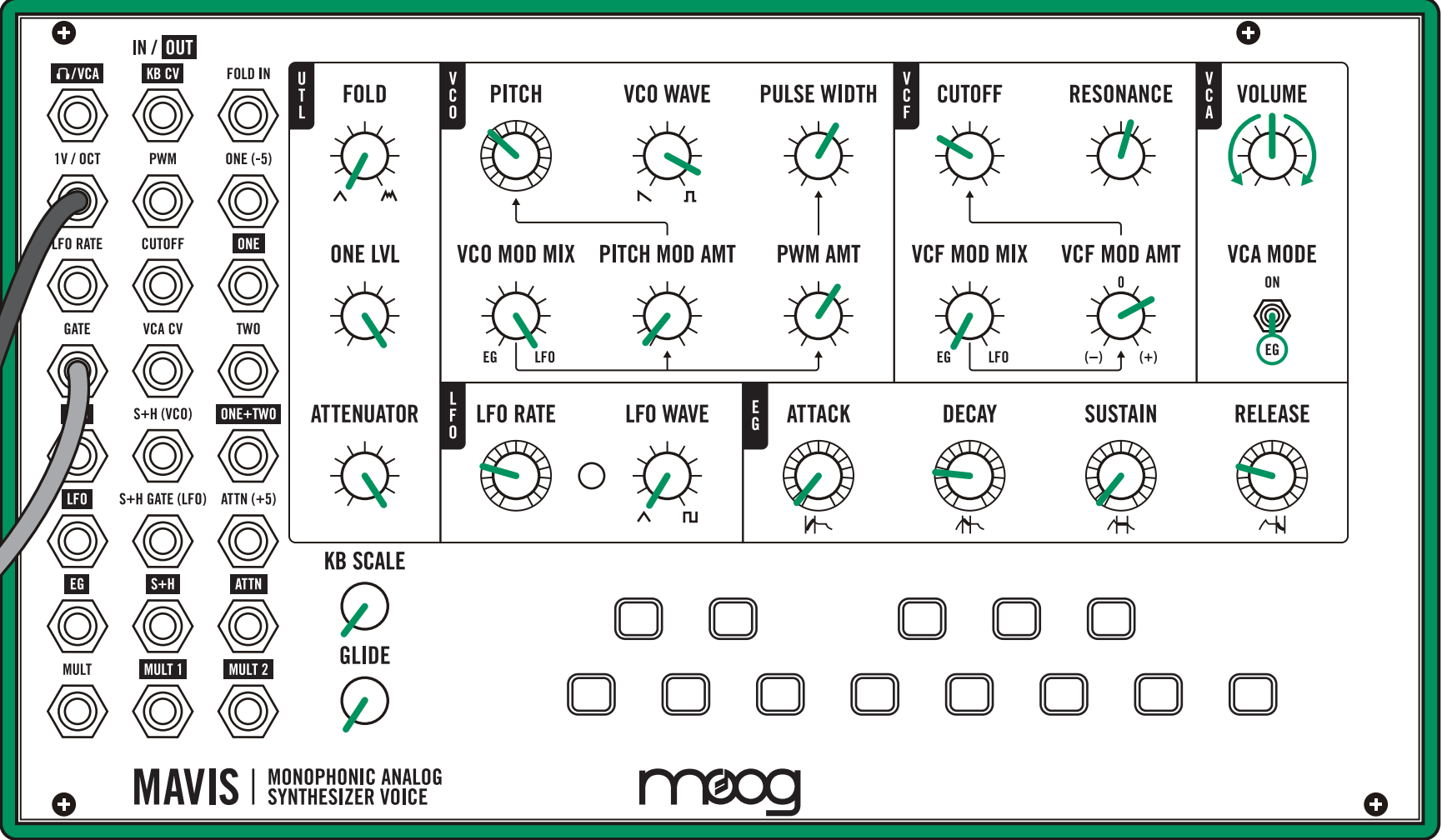
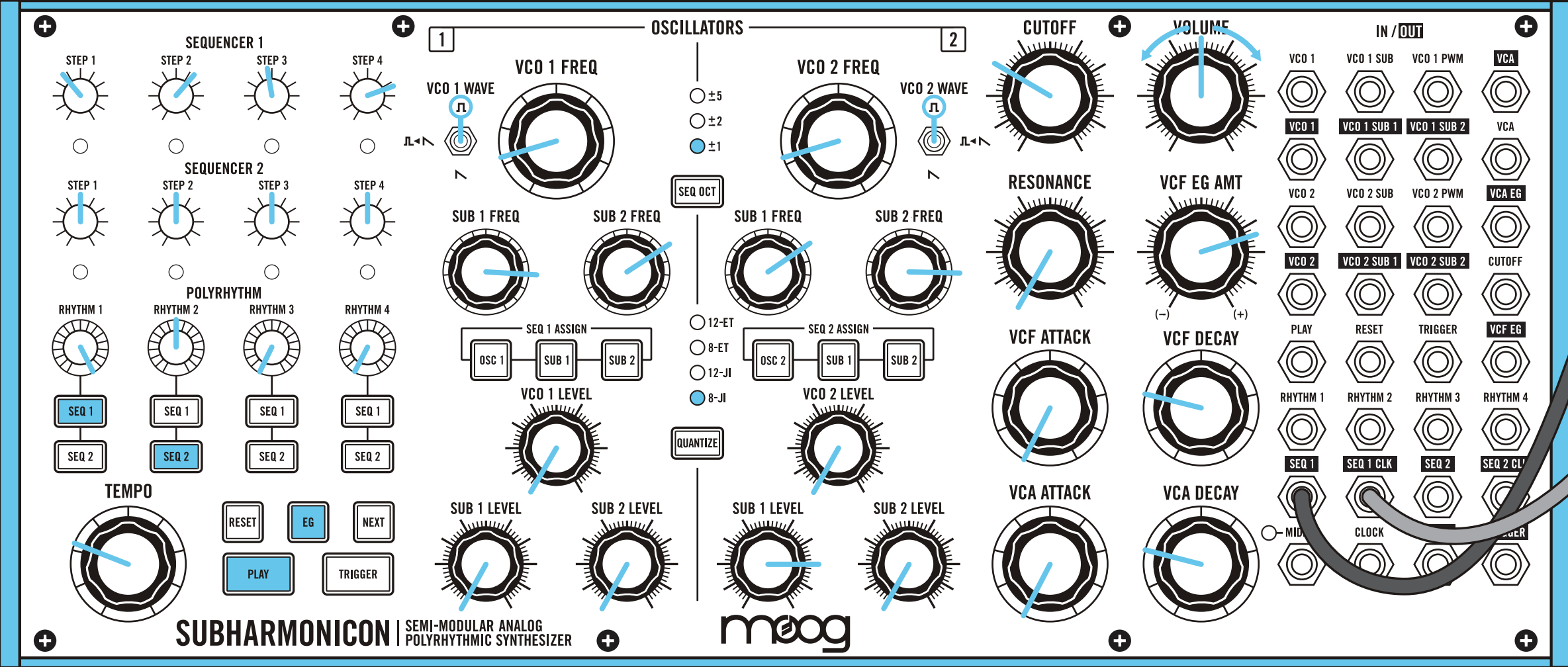
# Scaling the Subharmonic Series



**NOTES:**

- Tune Subharmonicon OSC 1 and OSC 2 to save pitch.
- Observe how Mavis LFO drives Subharmonicon OSC 2 SUB up and down the subharmonic scale while S+H chooses a new sub freq for OSC 1 after each run up and down.

# Keyboard Transpose



**NOTES:**

- Tune Subharmonicon OSC 2 and Mavis Oscillator.
- Use Mavis keyboard to transpose SEQ 1 from Subharmonicon.



# Manhattan Island Prison

STEP 1

STEP 2

STEP 3

STEP 4

SEQUENCER 1

SEQUENCER 2

POLYRHYTHM

RHYTHM 1

RHYTHM 2

RHYTHM 3

RHYTHM 4

SEQ 1

SEQ 2

SEQ 1

SEQ 2

SEQ 1

SEQ 2

SEQ 1

SEQ 2

TEMPO

RESET

EG

PLAY

TRIGGER

NEXT

OSCILLATORS

VCO 1 WAVE

VCO 1 FREQ

VCO 2 WAVE

VCO 2 FREQ

SUB 1 FREQ

SUB 2 FREQ

SEQ 1 ASSIGN

SEQ 2 ASSIGN

VCO 1 LEVEL

VCO 2 LEVEL

SUB 1 LEVEL

SUB 2 LEVEL

QUANTIZE

CUTOFF

RESONANCE

VCF ATTACK

VCF DECAY

VCA ATTACK

VCA DECAY

VOLUME

VCF EG AMT

VCF EG

VCA EG

VCA MODE

IN / OUT

VCO 1

VCO 1 SUB

VCO 1 PWM

VCO 2

VCO 2 SUB

VCO 2 PWM

RESET

TRIGGER

RHYTHM 1

RHYTHM 2

RHYTHM 3

RHYTHM 4

SEQ 1

SEQ 1 CLK

SEQ 2

SEQ 2 CLK

MIDI IN

CLOCK

TRIGGER

IN / OUT

VCA

KB CV

FOLD IN

U T L

FOLD

ONE LVL

ATTENUATOR

KB SCALE

GLIDE

VCO

PITCH

VCO WAVE

PULSE WIDTH

VCF

CUTOFF

RESONANCE

VOLUME

VCO MOD MIX

PITCH MOD AMT

PWM AMT

VCF MOD MIX

VCF MOD AMT

VCA MODE

LFO

LFO RATE

LFO WAVE

EG

ATTACK

DECAY

SUSTAIN

RELEASE

MAVIS

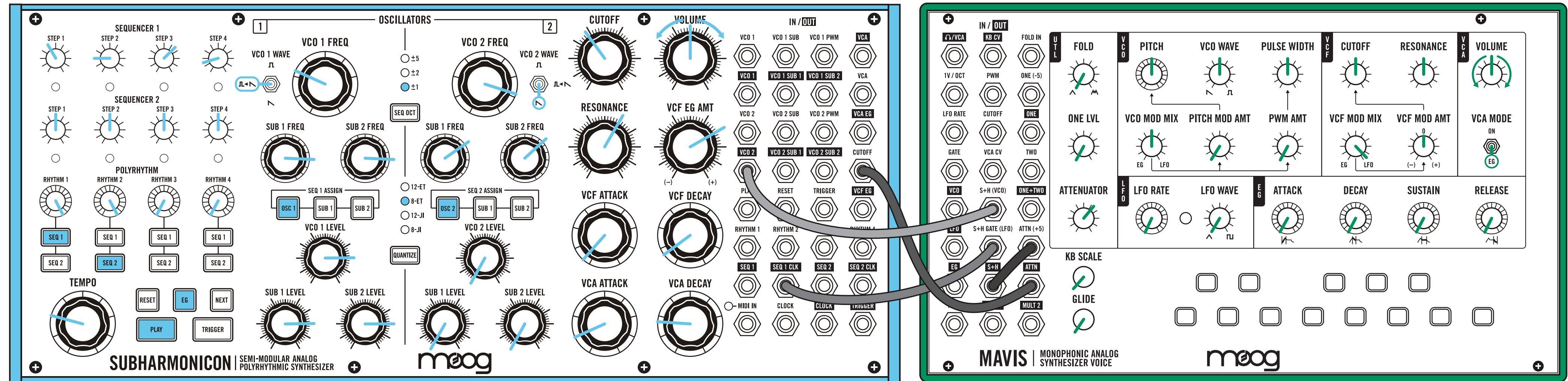
MONOPHONIC ANALOG SYNTHESIZER VOICE

meog

NOTES:

- Tune OSC 1 and OSC 2 as close as possible with quantization off.
- Play with mix of Subharmonic Oscillators, Filter Cutoff, Envelope settings, and Fold Amt.
- Explore subtle timbral differences.

# Superimposed Sequence



**NOTES:**

Play with **VCA ATTACK** and **DECAY** to move between grumbles, clicks, and lasers.

Play with Mavis **CUTOFF** for deeper gurgles.