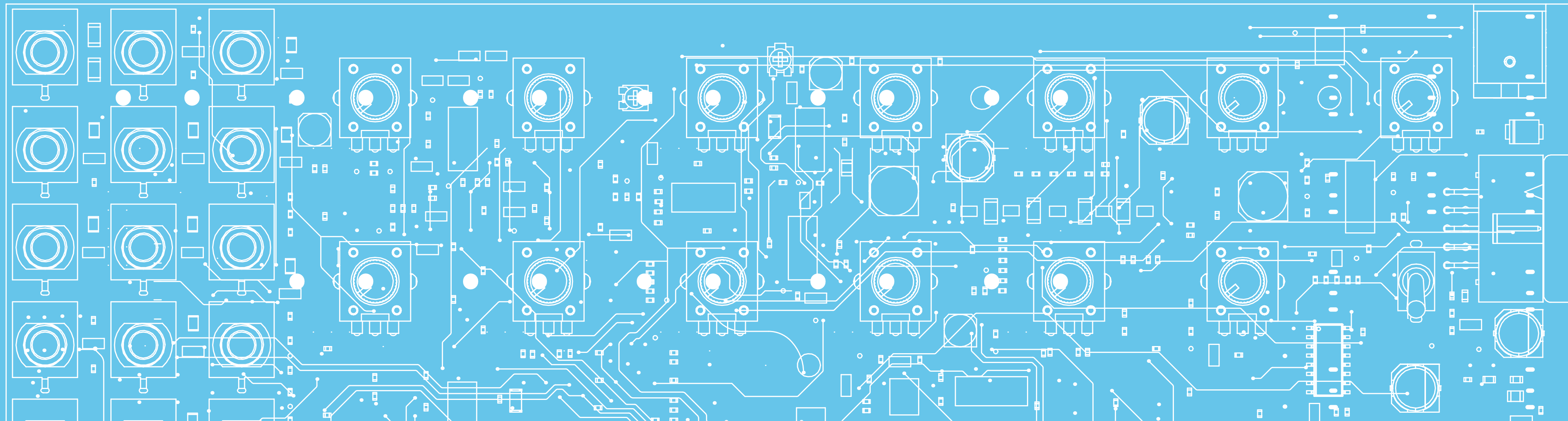


Mavis + Subharmonic

Exploration Patchbook



How to Sequence Subharmonic + Mavis

SUBHARMONICON | SEMI-MODULAR ANALOG POLYRHYTHMIC SYNTHESIZER

MAVIS | MONOPHONIC ANALOG SYNTHESIZER VOICE

NOTES:

Press **PLAY** on Subharmonic. **SEQ 1** sequences Subharmonic 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

SEQUENCER 1
STEP 1 STEP 2 STEP 3 STEP 4

SEQUENCER 2
STEP 1 STEP 2 STEP 3 STEP 4

POLYRHYTHM
RHYTHM 1 RHYTHM 2 RHYTHM 3 RHYTHM 4

OSCILLATORS
VCO 1 WAVE VCO 1 FREQ VCO 2 WAVE VCO 2 FREQ
SUB 1 FREQ SUB 2 FREQ

CUTOFF
VOLUME

IN / OUT
VCO 1 VCO 1 SUB VCO 1 PWM VCA
VCO 2 VCO 2 SUB VCO 2 PWM VCA

RESONANCE
VCF EG AMT

VCF ATTACK
VCF DECAY

VCA ATTACK
VCA DECAY

SEQUENCE ASSIGN
OSC 1 SUB 1 SUB 2
OSC 2 SUB 1 SUB 2

QUANTIZE
12-ET 8-ET 12-JI 8-JI

TEMPERATURE
RESET EG NEXT
PLAY TRIGGER

SUBHARMONICON | SEMI-MODULAR ANALOG POLYRHYTHMIC SYNTHESIZER

IN / OUT
VCA VCA VCA
KB CV PWM ONE (-5)
LFO RATE CUTOFF ONE
GATE VCA CV TWO
VCO S+H (VCO) ONE+TWO
LFO S+H GATE (LFO) ATTN (+5)
EG S+H ATTN

FOLD
ONE LVL
ATTENUATOR

VCO
PITCH VCO WAVE PULSE WIDTH
VCO MOD MIX PITCH MOD AMT PWM AMT
CUTOFF RESONANCE
VCF MOD MIX VCF MOD AMT
VOLUME

VCA
VOLUME
VCA MODE ON

LFO
LFO RATE LFO WAVE
ATTACK DECAY SUSTAIN RELEASE

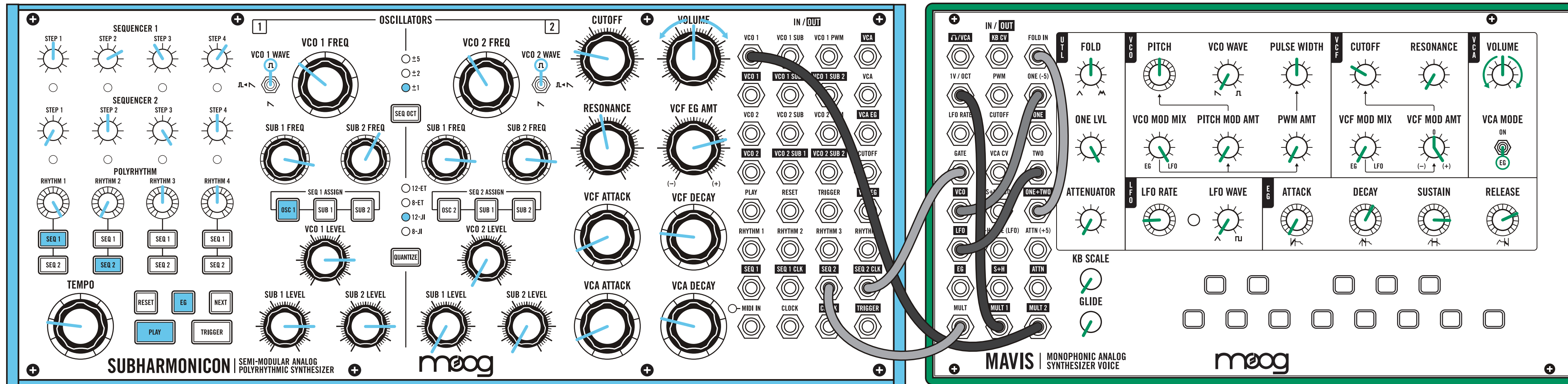
KB SCALE
GLIDE

MAVIS | MONOPHONIC ANALOG SYNTHESIZER VOICE

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

SUBHARMONICON | SEMI-MODULAR ANALOG POLYRHYTHMIC SYNTHESIZER

MAVIS | MONOPHONIC ANALOG SYNTHESIZER VOICE

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

SEQUENCER 1
STEP 1, STEP 2, STEP 3, STEP 4

SEQUENCER 2
STEP 1, STEP 2, STEP 3, STEP 4

POLYRHYTHM
RHYTHM 1, RHYTHM 2, RHYTHM 3, RHYTHM 4

OSCILLATORS
VCO 1 FREQ, VCO 2 FREQ, SUB 1 FREQ, SUB 2 FREQ

CUTOFF
RESONANCE

VOLUME
VCF EG AMT

IN / OUT
VCO 1, VCO 1 SUB, VCO 1 PWM, VCA, VCO 2, VCO 2 SUB, VCO 2 PWM, VCA EG

TEMPERATURE
TEMPERATURE

RESET, **EG**, **NEXT**, **PLAY**, **TRIGGER**

SUBHARMONICON | SEMI-MODULAR ANALOG POLYRHYTHMIC SYNTHESIZER

IN / OUT
VCA, KB CV, FOLD IN, UTL, FOLD, ONE LVL, ATTENUATOR, KB SCALE, GLIDE

VCO
PITCH, VCO WAVE, PULSE WIDTH, CUTOFF, RESONANCE, VOLUME

VCF
VCO MOD MIX, PITCH MOD AMT, PWM AMT, VCF MOD MIX, VCF MOD AMT, VCA MODE ON

LFO
LFO RATE, LFO WAVE, ATTACK, DECAY, SUSTAIN, RELEASE

EG
ATTN, MULT 1, MULT 2

MAVIS | MONOPHONIC ANALOG SYNTHESIZER VOICE

NOTES:

Tune Subharmonicon OSC 2 and Mavis Oscillator.

Use Mavis keyboard to transpose SEQ 1 from Subharmonicon.

Manhattan Island Prison

SEQUENCER 1
STEP 1 STEP 2 STEP 3 STEP 4
RHYTHM 1 RHYTHM 2 RHYTHM 3 RHYTHM 4
SEQ 1 SEQ 2

SEQUENCER 2
STEP 1 STEP 2 STEP 3 STEP 4
RHYTHM 1 RHYTHM 2 RHYTHM 3 RHYTHM 4
SEQ 1 SEQ 2

OSCILLATORS
VCO 1 WAVE VCO 1 FREQ
VCO 2 WAVE VCO 2 FREQ
SUB 1 FREQ SUB 2 FREQ
VCO 1 LEVEL VCO 2 LEVEL
SUB 1 LEVEL SUB 2 LEVEL

FILTERS
CUTOFF
RESONANCE
VOLUME
VCF ATTACK
VCF DECAY
VCA ATTACK
VCA DECAY

MOOG

MODULATION
VCO MOD MIX
PITCH MOD AMT
PULSE WIDTH
CUTOFF
RESONANCE
VOLUME

ENVELOPE
ATTACK
DECAY
SUSTAIN
RELEASE

MOOG

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

SUBHARMONICON | SEMI-MODULAR ANALOG POLYRHYTHMIC SYNTHESIZER

MAVIS | MONOPHONIC ANALOG SYNTHESIZER VOICE

NOTES:

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