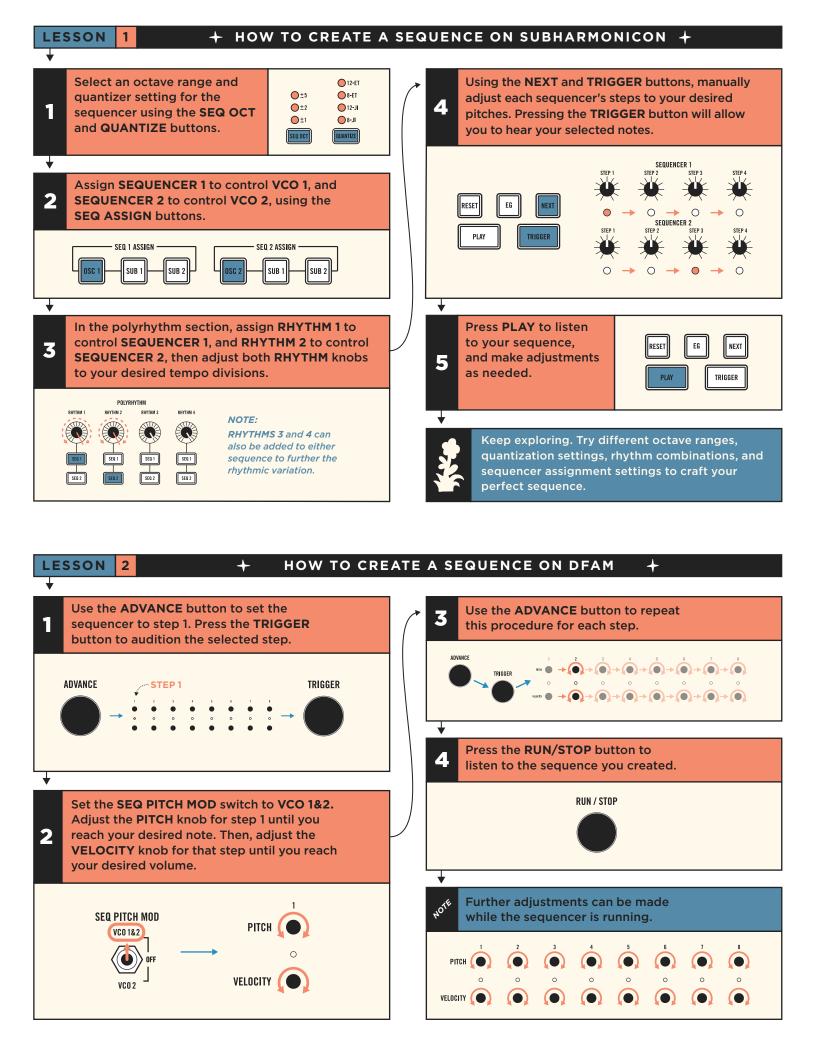


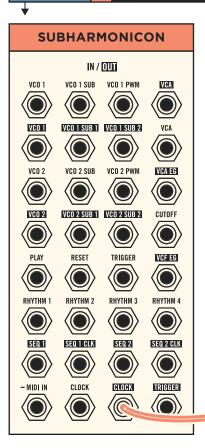
DFAM & SUBHARMONICON

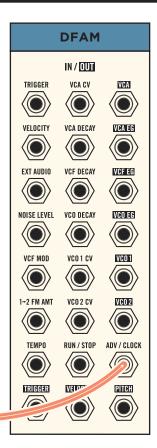
EXPLORATION PATCHBOOK



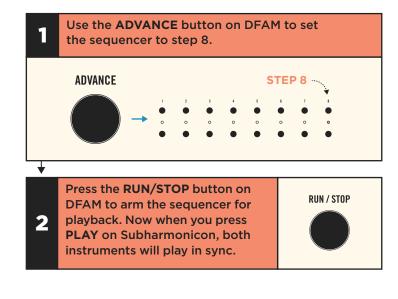




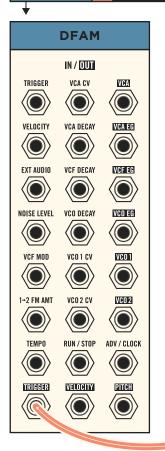


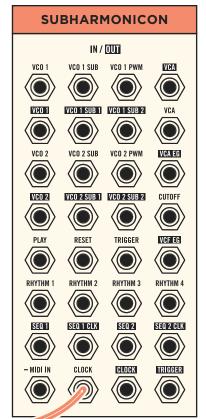


To sync DFAM to Subharmonicon, simply patch from the CLOCK output jack on Subharmonicon into the ADV/CLOCK input on DFAM.

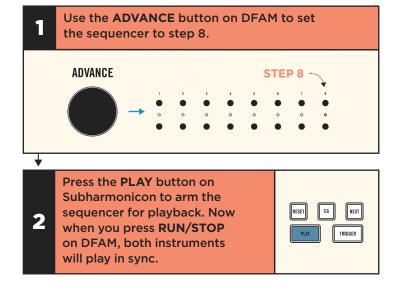


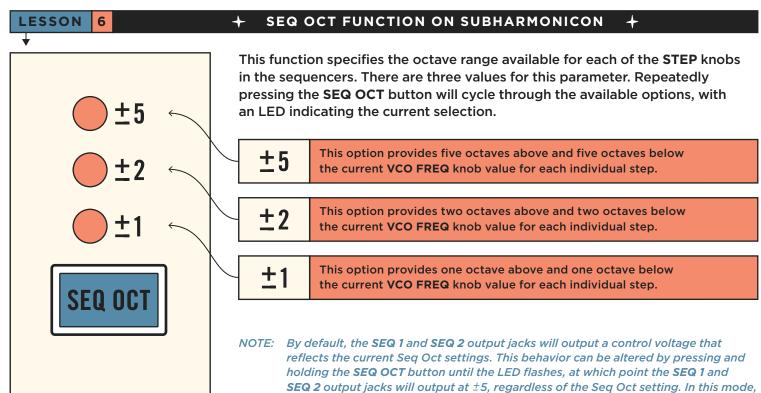
LESSON 4 + HOW TO TEMPO SYNC USING DFAM AS MASTER CLOCK +





To sync Subharmonicon to DFAM, simply patch from the TRIGGER output jack on DFAM into the CLOCK input on Subharmonicon.





the oscillators will continue to respect the Seq Oct settings. Press and hold the

SEQ OCT button until the LED stops flashing to return to the default.

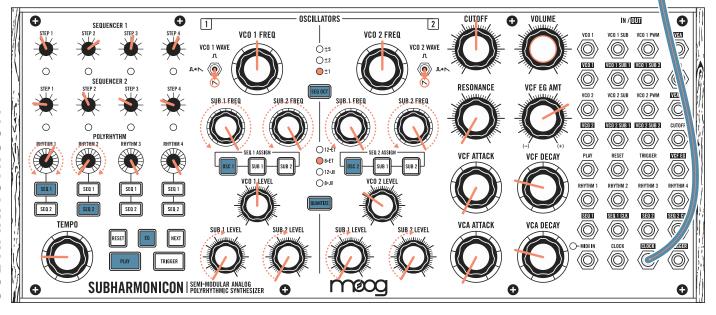
Jumping-Off Point

This patch is a good starting point for your exploration of DFAM and Subharmonicon.

Use this patch to play the included synthesizer dice game.

Match all knobs, switches, and patch locations to the graphics below.





NOTES

Use the suggested sequences, or create new sequences on Subharmonicon (Lesson 1).

Use the ADVANCE button on DFAM to set the sequencer to step 8.

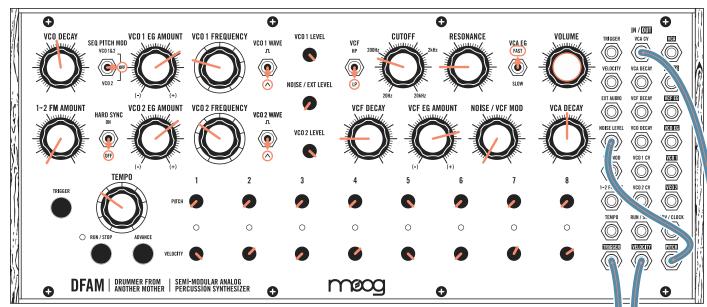
Press RUN/STOP on DFAM, and press PLAY on Subharmonicon.

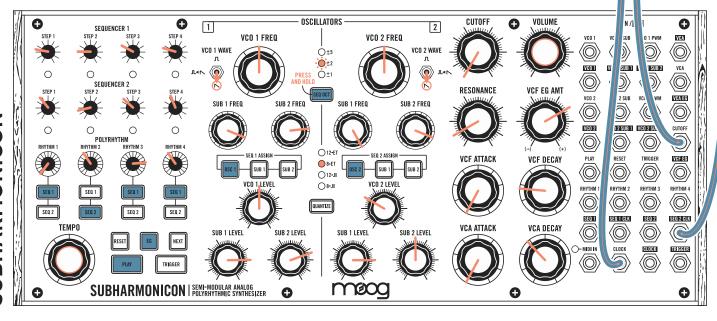
Adjust DFAM 1→2 FM AMOUNT to add "click" to the kick drum.

Incorporate RHYTHM 3 and RHYTHM 4 on Subharmonicon to add rhythmic variation to your sequences.

Satin Sun

Match all knobs, switches, and patch locations to the graphics below.





NOTES

Use the suggested sequences, or create new sequences on Subharmonicon (Lesson 1).

Use the ADVANCE button on DFAM to set the sequencer to step 8.

Press PLAY on Subharmonicon, and press RUN/STOP on DFAM.

Press and hold the SEQ OCT button on Subharmonicon until the ±2 LED indicator starts blinking.

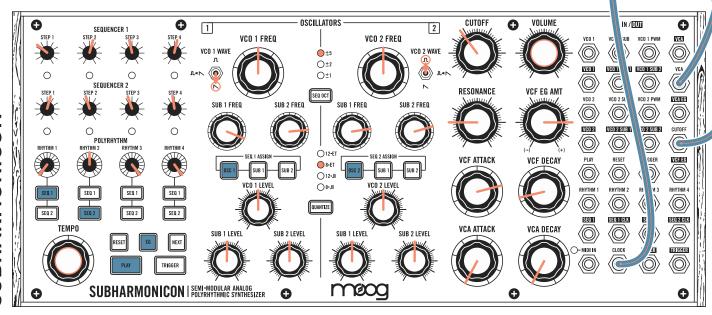
Adjust DFAM PITCH SEQUENCER to control the snare sound or add snares to other steps.

Adjust DFAM VELOCITY SEQUENCER to control both DFAM note velocity and Subharmonicon filter cutoff.

Grapefruit And Honey

Match all knobs, switches, and patch locations to the graphics below.





NOTES

Use the suggested sequences, or create new sequences on Subharmonicon (Lesson 1).

Use the ADVANCE button on DFAM to set the sequencer to step 8.

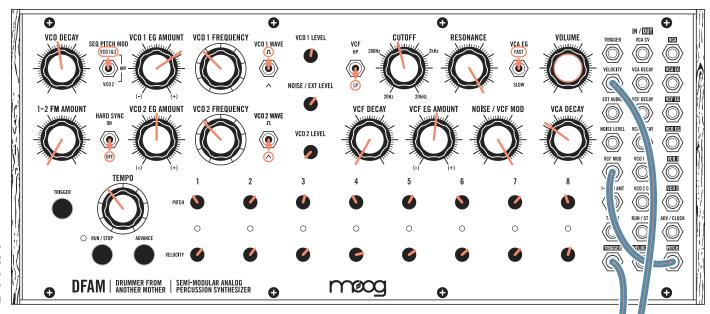
Press PLAY on Subharmonicon, and press RUN/STOP on DFAM.

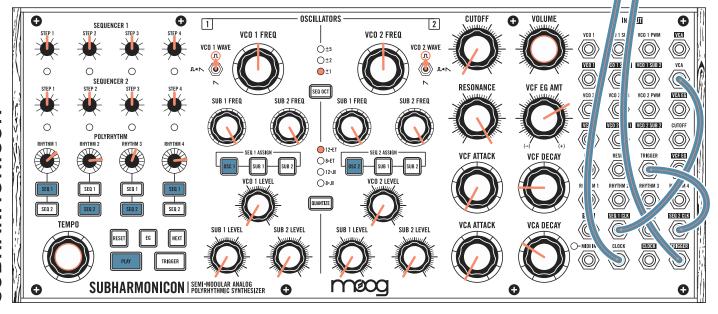
Adjust DFAM PITCH SEQUENCER to control DFAM's filter cutoff.

Adjusting the VCF and VCA envelopes on DFAM will also impact Subharmonicon.

Freaky Friday

Match all knobs, switches, and patch locations to the graphics below.





NOTES

Use the suggested sequences, or create new sequences on Subharmonicon (Lesson 1).

Use the ADVANCE button on DFAM to set the sequencer to step 8.

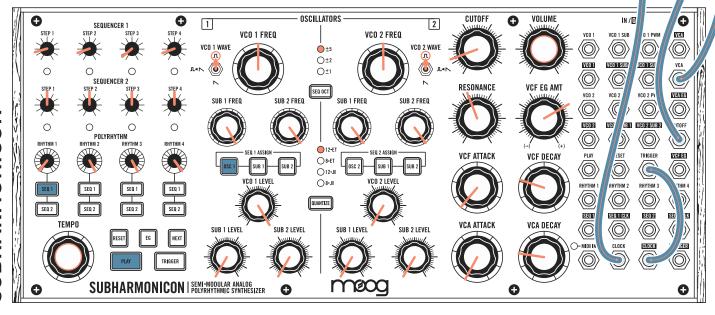
Press PLAY on Subharmonicon, and press RUN/STOP on DFAM.

Adjust RHYTHM knobs on Subharmonicon for pattern variation.

Thumper

Match all knobs, switches, and patch locations to the graphics below.





NOTES

Use the suggested sequences, or create new sequences on Subharmonicon (Lesson 1).

Use the ADVANCE button on DFAM to set the sequencer to step 8.

Press PLAY on Subharmonicon, and press RUN/STOP on DFAM.

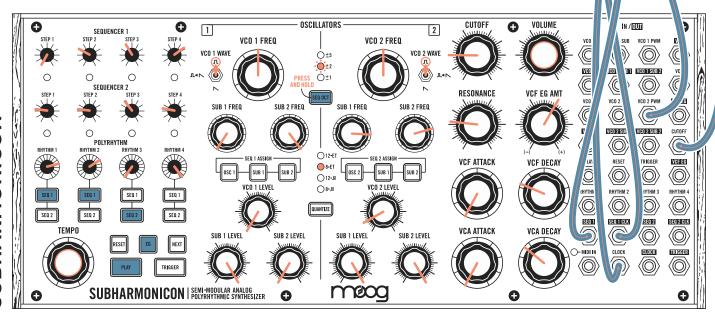
Adjust DFAM PITCH SEQUENCER for tonal variations on the rhythm.

Adjust Subharmonicon's CUTOFF knob for acidic goodness.

With Yr Hips

Match all knobs, switches, and patch locations to the graphics below.





NOTES

Use the suggested sequences, or create new sequences on Subharmonicon (Lesson 1).

Use the ADVANCE button on DFAM to set the sequencer to step 8.

Press PLAY on Subharmonicon, and press RUN/STOP on DFAM.

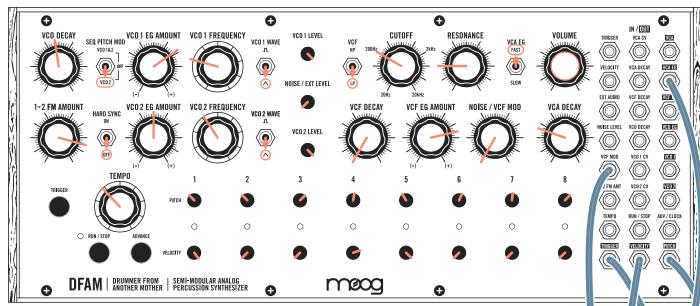
Press and hold the **SEQ OCT** button on Subharmonicon until the ±2 LED indicator starts blinking.

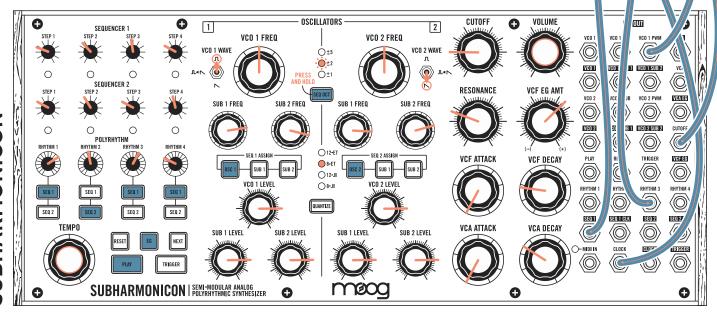
Adjusting the VCA DECAY setting on DFAM will have a dramatic effect on the whole patch.

DFAM

Open Windows

Match all knobs, switches, and patch locations to the graphics below.





NOTES

Use the suggested sequences, or create new sequences on Subharmonicon (Lesson 1).

Use the ADVANCE button on DFAM to set the sequencer to step 8.

Press PLAY on Subharmonicon, and press RUN/STOP on DFAM.

Press and hold the SEQ OCT button on Subharmonicon until the ±2 LED indicator starts blinking.

Adjust DFAM VELOCITY SEQUENCER for interesting rhythmic variation.

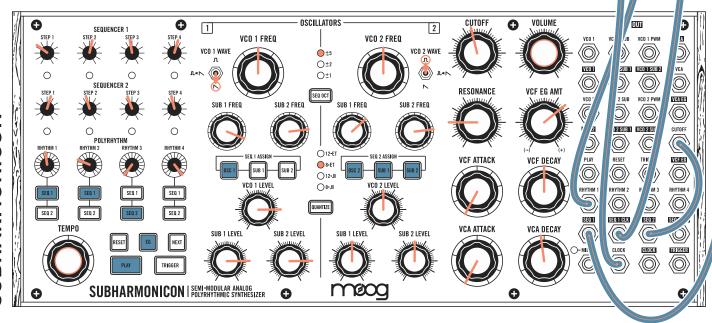
Adjust Subharmonicon SEQUENCER 1 to control the filtering on DFAM.

DFAM

Growing Through The Cracks

Match all knobs, switches, and patch locations to the graphics below.





NOTES

Use the suggested sequences, or create new sequences on Subharmonicon (Lesson 1).

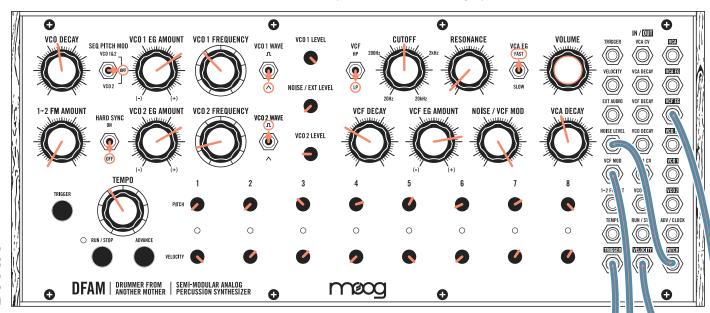
Use the ADVANCE button on DFAM to set the sequencer to step 8.

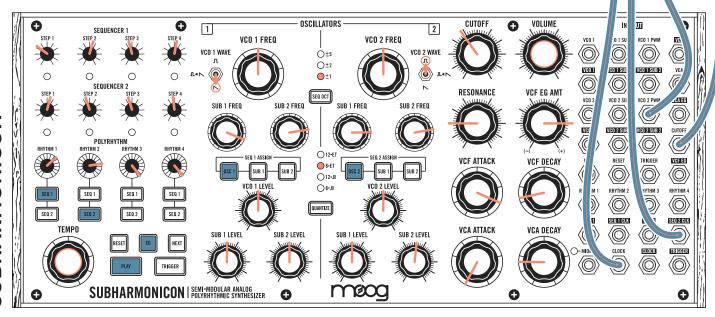
Press PLAY on Subharmonicon, and press RUN/STOP on DFAM.

Each instrument's sequencers will impact the other instrument. Adjust all sequences to explore this relationship.

Hot Steps

Match all knobs, switches, and patch locations to the graphics below.





NOTES

Use the suggested sequences, or create new sequences on Subharmonicon (Lesson 1).

Use the ADVANCE button on DFAM to set the sequencer to step 8.

Press PLAY on Subharmonicon, and press RUN/STOP on DFAM.

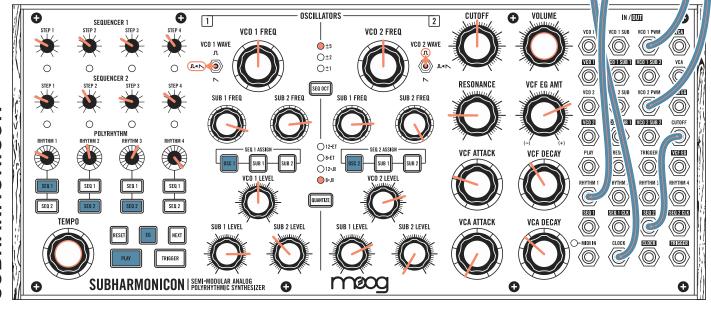
Adjust DFAM VCF EG AMT knob to control both instruments' filters.

DFAM

SUBHARMONICON

Match all knobs, switches, and patch locations to the graphics below.





NOTES

Use the suggested sequences, or create new sequences on Subharmonicon (Lesson 1).

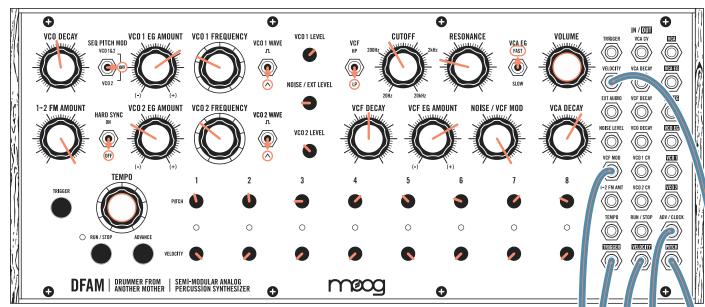
Use the ADVANCE button on DFAM to set the sequencer to step 8.

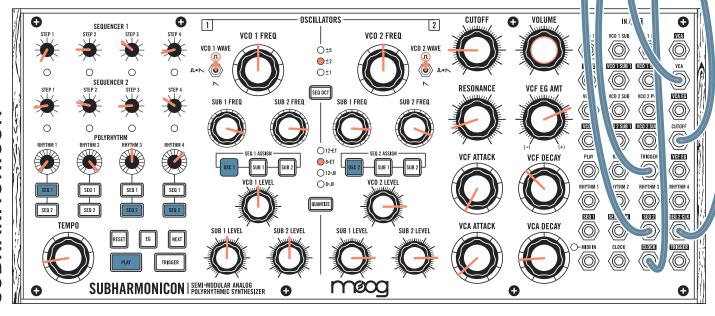
Press PLAY on Subharmonicon, and press RUN/STOP on DFAM.

Adjust DFAM VELOCITY SEQUENCER knobs for rhythmic variation on both instruments.

Mixed Messages

Match all knobs, switches, and patch locations to the graphics below.





NOTES

Use the suggested sequences, or create new sequences on Subharmonicon (Lesson 1).

Use the ADVANCE button on DFAM to set the sequencer to step 8.

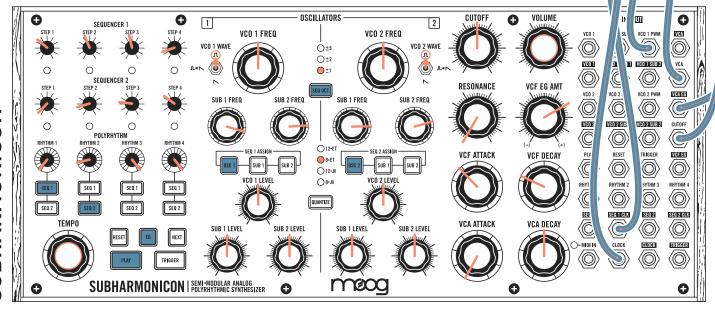
Press RUN/STOP on DFAM, and press PLAY on Subharmonicon.

Adjust DFAM PITCH SEQUENCER and Subharmonicon SEQUENCER 2 for interesting filter variation.

Salute The Morning

Match all knobs, switches, and patch locations to the graphics below.





NOTES

Use the suggested sequences, or create new sequences on Subharmonicon (Lesson 1).

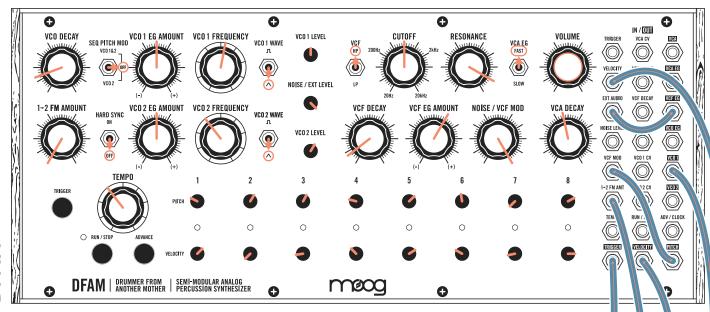
Use the ADVANCE button on DFAM to set the sequencer to step 8.

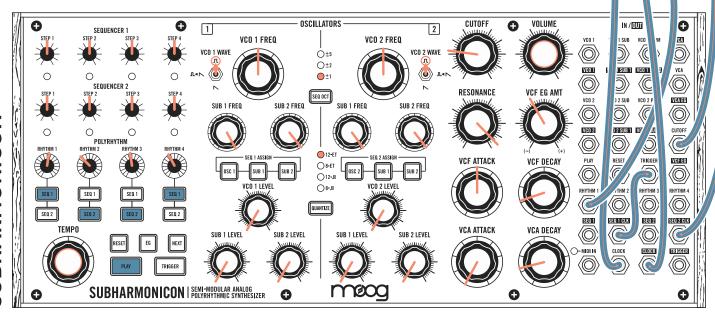
Press PLAY on Subharmonicon, and press RUN/STOP on DFAM.

Adjusting either instrument's VCA envelopes will impact the other instrument.

Alien Drum Circle

Match all knobs, switches, and patch locations to the graphics below.





NOTES

Use the suggested sequences, or create new sequences on Subharmonicon (Lesson 1).

Use the ADVANCE button on DFAM to set the sequencer to step 8.

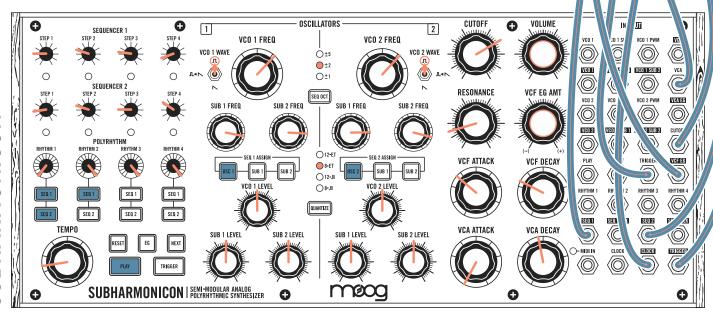
Press PLAY on Subharmonicon, and press RUN/STOP on DFAM.

Adjusting both DFAM sequencers will control the whole patch.

Better Together

Match all knobs, switches, and patch locations to the graphics below.





NOTES

Tune DFAM oscillators to a unison by matching VCO 1 FREQUENCY and VCO 2 FREQUENCY knob positions.

Tune Subharmonicon oscillators to a unison a perfect fifth above the DFAM oscillators (or tune to preference).

Tune Subharmonicon sub oscillators to taste creating four-note chords between the two instruments.

Use the suggested sequences, or create new sequences on Subharmonicon (Lesson 1).

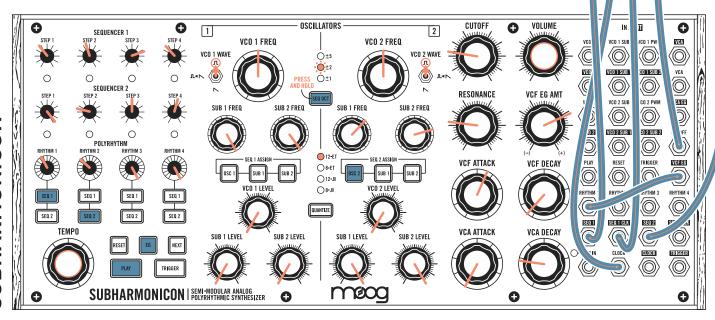
Use the ADVANCE button on DFAM to set the sequencer to step 8.

Press RUN/STOP on DFAM, and press PLAY on Subharmonicon.

Constant Elevation

Match all knobs, switches, and patch locations to the graphics below.





NOTES

Use the suggested sequences, or create new sequences on Subharmonicon (Lesson 1).

Use the ADVANCE button on DFAM to set the sequencer to step 8.

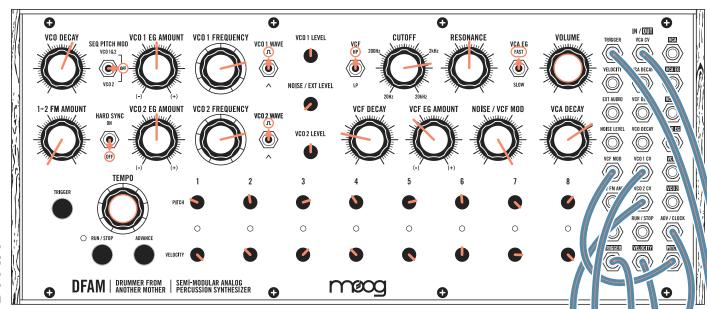
Press PLAY on Subharmonicon, and press RUN/STOP on DFAM.

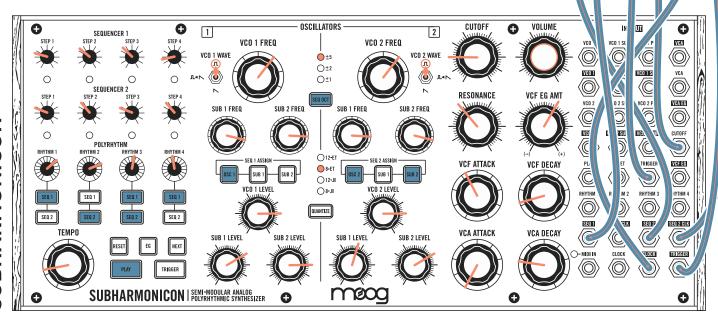
Press and hold the **SEQ OCT** button on Subharmonicon until the ±2 LED indicator starts blinking.

Adjusting Subharmonicon SEQUENCER 1 or 2 will affect the tone of DFAM.

Lattice

Match all knobs, switches, and patch locations to the graphics below.





NOTES

Tune DFAM oscillators to a unison by matching VCO 1 FREQUENCY and VCO 2 FREQUENCY knob positions.

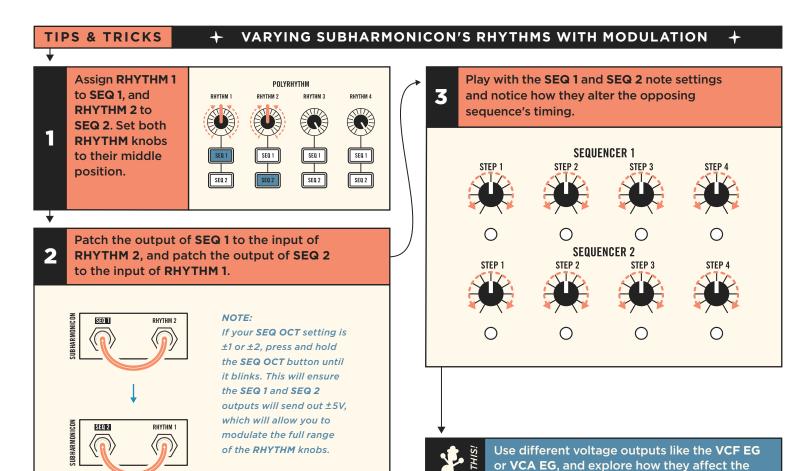
Tune Subharmonicon oscillators to a pleasing interval.

Tune Subharmonicon sub oscillators to taste for extra intervals.

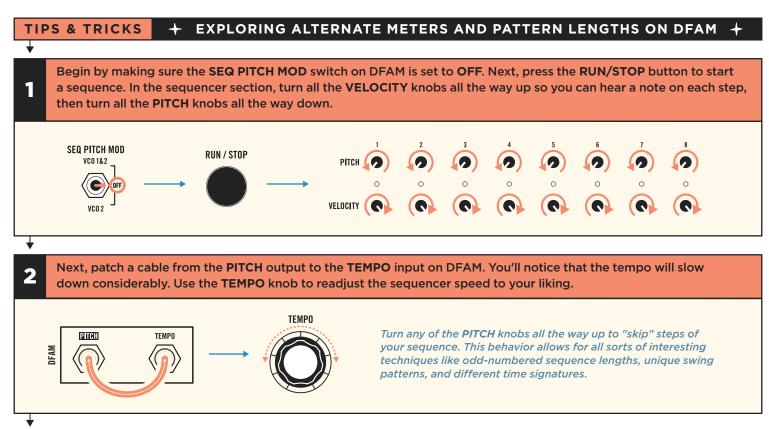
Use the suggested sequences, or create new sequences on Subharmonicon (Lesson 1).

Use the **ADVANCE** button on DFAM to set the sequencer to step 8.

Press RUN/STOP on DFAM, and press PLAY on Subharmonicon.



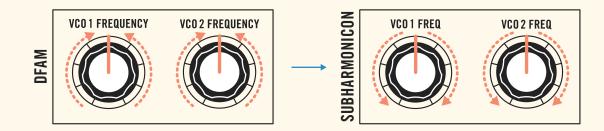
rhythms differently.



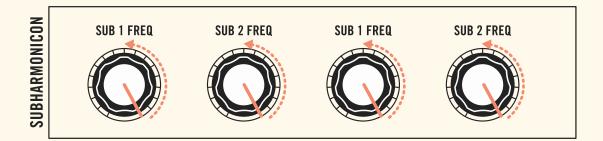


+ USING DFAM FOR ADDITIONAL HARMONIES WITH SUBHARMONICON

Tune both VCOs on DFAM to a unison (the same note). Then tune the VCOs on Subharmonicon to a pleasing interval.



Tune the two pairs of Subharmonicon's sub oscillators to pleasing intervals with their respective oscillators.



Patch the SEQ 1 output from Subharmonicon to the VCO 1 input on DFAM, and patch the SEQ 2 output from Subharmonicon to the VCO 2 input on DFAM. Then, patch the TRIGGER output on Subharmonicon to the TRIGGER input on DFAM. Now both sequencers on Subharmonicon will each control two VCOs and two sub oscillators, allowing for more complex voicings.

