MOOG HOUSE OF ELECTRONICUS
PATCH BOOK

MOTHER-32 & DFAM

7 patches

moog
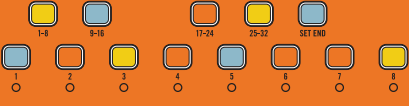
Moog House of Electronicus

An electronic pop-up and synth guided exploration of the power of sound. The Moog House Of Electronicus was open to the public daily from January 24 - 30 in Chinatown, LA. Visitors had the opportunity to get hands on with Moog synths and explore the deeper dimensions of sonic experience through interactive sculptural synthesis installations, an immersive audio visualization system, and daily synthesizer workshops led by synthesist Bana Haffar.

Learn More About The Moog House Of Electronicus

moog

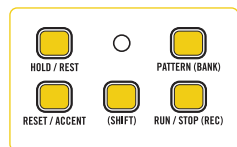# HOW TO PLAY THE KEYBOARD & CREATE A SEQUENCE ON MOTHER-32

PLAY THE KEYBOARD

1. Hold **(SHIFT)** ⬜ and Press the **(KB)** ◁ button
to ensure you're in KB mode

2. Use the **OCTAVE/LOCATION** ◁ ▷ buttons
to select a higher or lower octave

OCTAVE / LOCATION
1 2 3 4 5 6 7 8

3. Play the Keyboard

1-8   9-16   17-24   25-32   SET END

1   2   3   4   5   6   7   8

SEQUENCER CONTROLS

HOLD / REST   PATTERN (BANK)

RESET / ACCENT   (SHIFT)   RUN / STOP (REC)

OCTAVE CONTROLS

OCTAVE / LOCATION
1 2 3 4 5 6 7 8

◁ (KB)   ▷ (STEP)

KEYBOARD

1-8   9-16   17-24   25-32   SET END

1   2   3   4   5   6   7   8
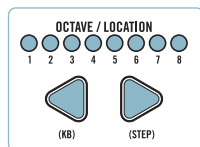
CREATE A SEQUENCE

1. Clear Sequence

HOLD / REST   PATTERN (BANK)
RESET / ACCENT   (SHIFT)   RUN / STOP (REC)

2. Record Sequence

HOLD / REST   PATTERN (BANK)
RESET / ACCENT   (SHIFT)   RUN / STOP (REC)

3. Enter Notes

4. Finish Recording

HOLD / REST   PATTERN (BANK)
RESET / ACCENT   (SHIFT)   RUN / STOP (REC)

5. Begin Playback

HOLD / REST   PATTERN (BANK)
RESET / ACCENT   (SHIFT)   RUN / STOP (REC)
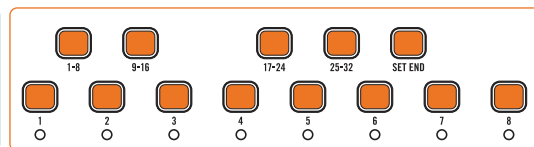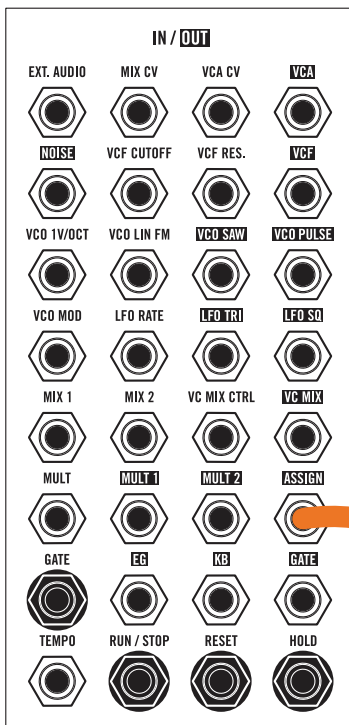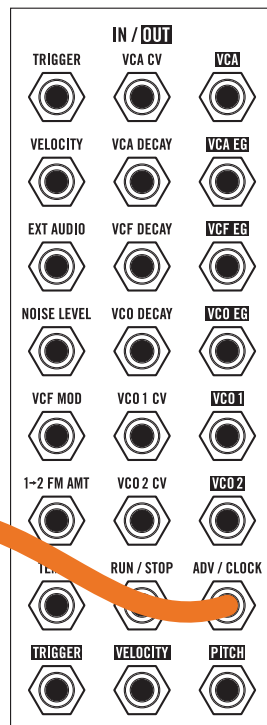
HOW TO TEMPO SYNC THE MOTHER-32 AND DFAM

MOTHER-32

IN / OUT

EXT. AUDIO	MIX CV	VCA CV	VCA
NOISE	VCF CUTOFF	VCF RES.	VCF
VCO 1V/OCT	VCO LIN FM	VCO SAW	VCO PULSE
VCO MOD	LFO RATE	LFO TRI	LFO SQ
MIX 1	MIX 2	VC MIX CTRL	VC MIX
MULT	MULT 1	MULT 2	ASSIGN
GATE	EG	KB	GATE
TEMPO	RUN / STOP	RESET	HOLD

DFAM

IN / OUT

TRIGGER	VCA CV	VCA
VELOCITY	VCA DECAY	VCA EG
EXT AUDIO	VCF DECAY	VCF EG
NOISE LEVEL	VCO DECAY	VCO EG
VCF MOD	VCO 1 CV	VCO 1
1→2 FM AMT	VCO 2 CV	VCO 2
TEMPO	RUN / STOP	ADV / CLOCK
TRIGGER	VELOCITY	PITCH

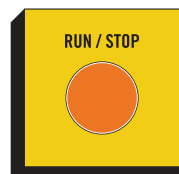**To Sync a DFAM to a Mother-32,** simply patch from the **ASSIGN** output jack on the Mother-32 Patchbay into the **ADV/CLOCK** input on the DFAM.

DFAM

RUN / STOP

Press **RUN/STOP** on your DFAM. This will ensure that it is ready to play when it begins receiving a Clock signal from the Mother-32.

MOTHER-32

RUN / STOP (REC)

Press **RUN/STOP** on Mother-32. Both units should now be playing in sync.

Baroque As A Joke

MATCH ALL KNOBS, SWITCHES & PATCH LOCATIONS TO THE GRAPHICS BELOW.
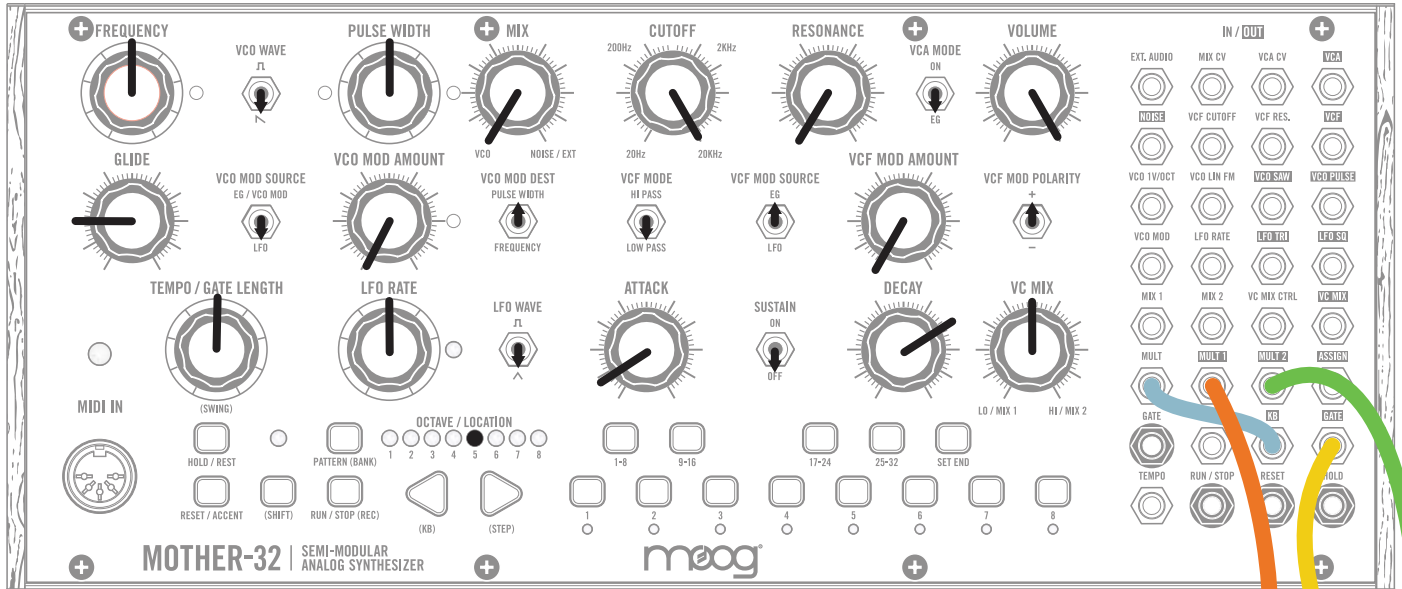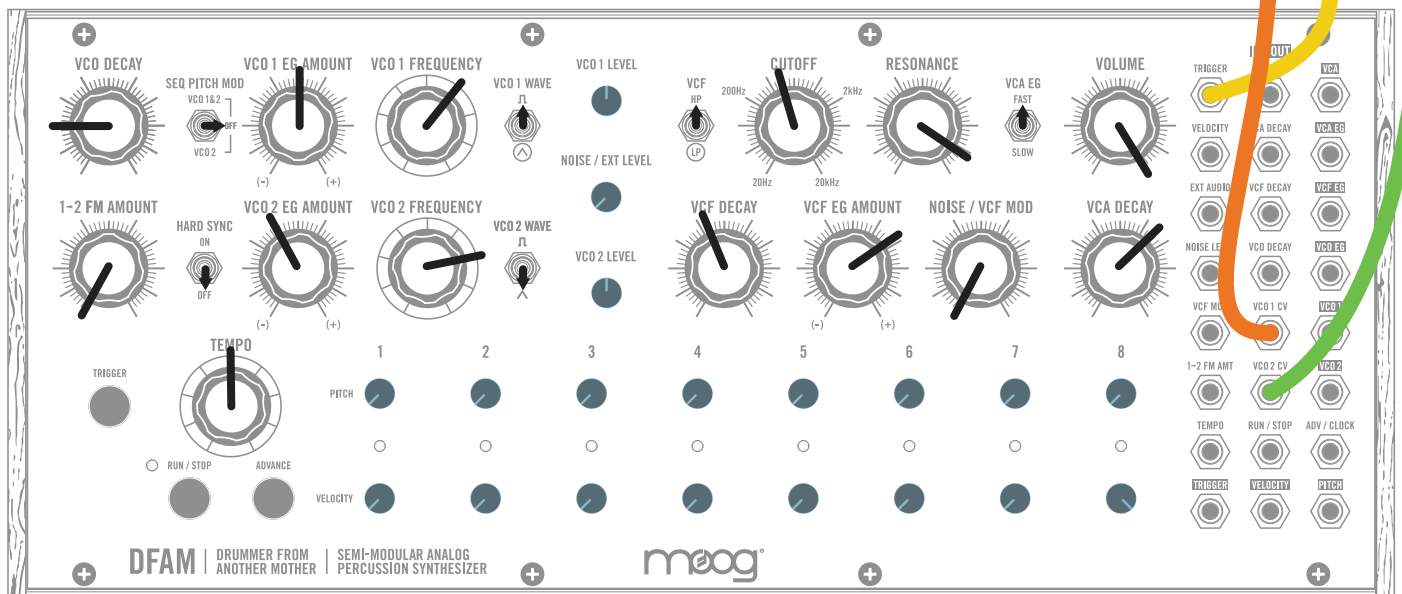
MOTHER-32

DFAM

NOTES:

This is a 3 Oscillator Synth.

DFAM does not run but rather is triggered by Mother-32.

Step 8 velocity must be turned up on the DFAM as marked.

Program a sequence on the Mother-32.

Deep Bounce

MATCH ALL KNOBS, SWITCHES & PATCH LOCATIONS TO THE GRAPHICS BELOW.
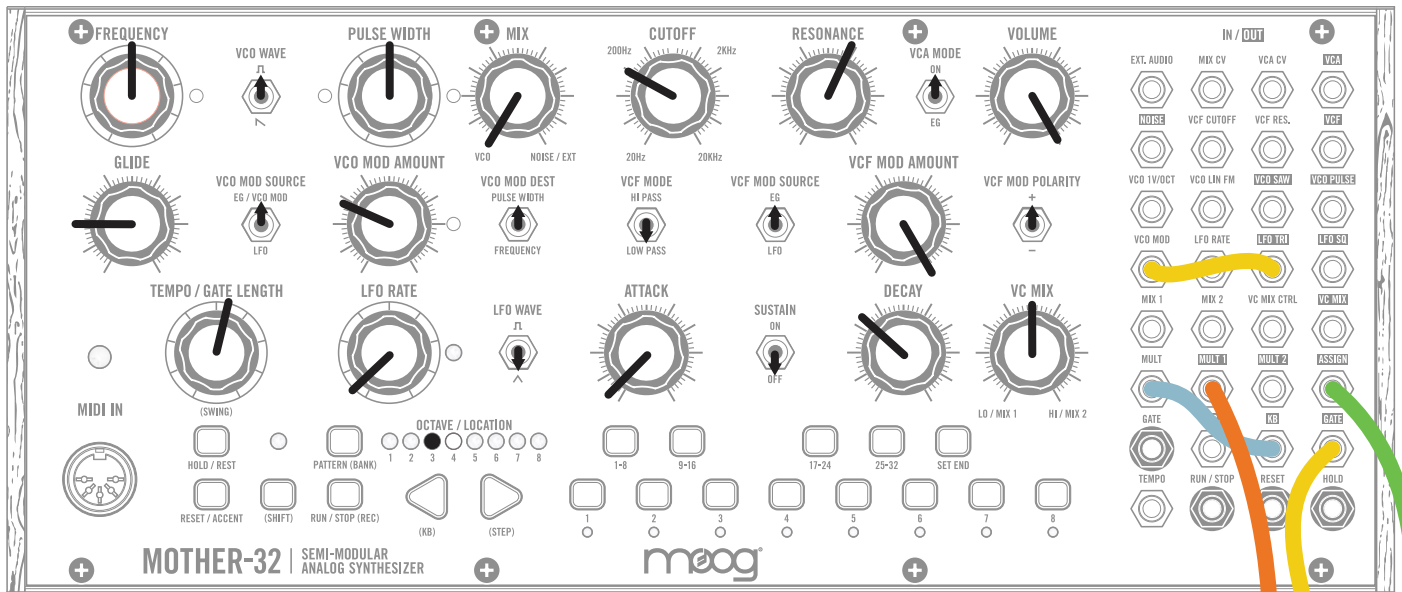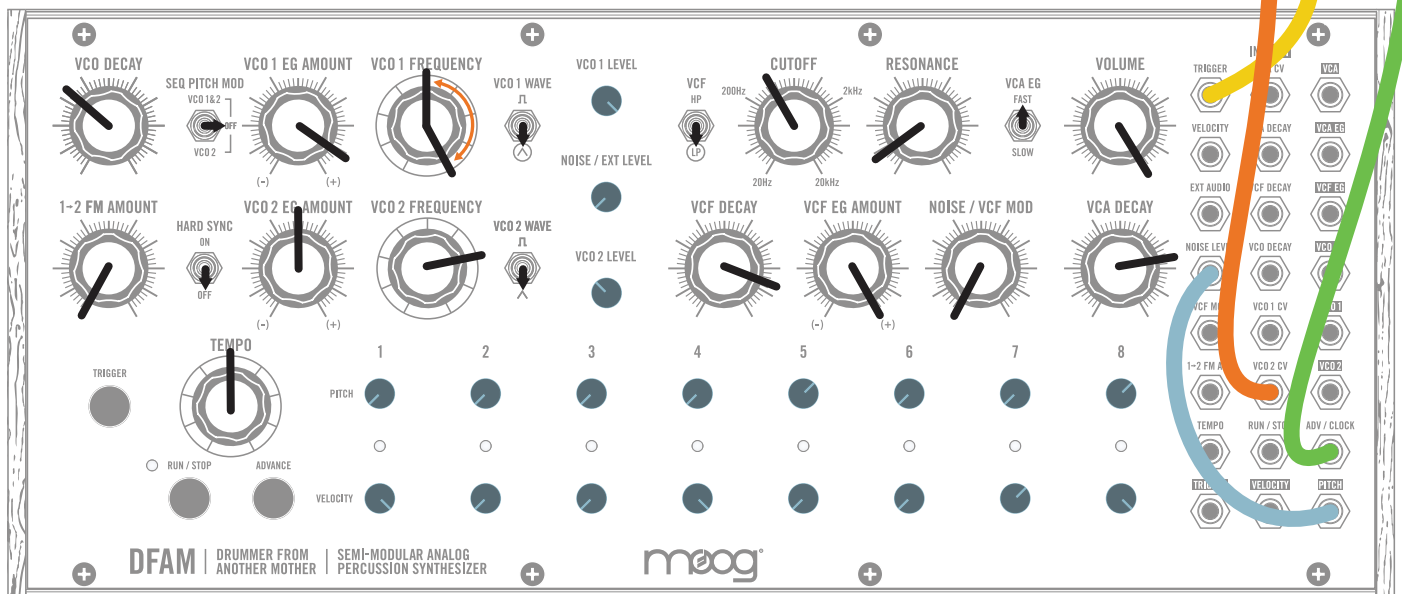
MOTHER-32

DFAM

NOTES:

Program a sequence on the Mother-32.
Set the **VCO2 Frequency** knob on DFAM to your desired pitch with Mother-32.

Lo-Fi Low End

MATCH ALL KNOBS, SWITCHES & PATCH LOCATIONS TO THE GRAPHICS BELOW.

NOTES:

Program a sequence on the Mother-32.

Play with **VCA Decay** on DFAM for longer and shorter release times.

Try switching Mother-32's **VCF Mod Source** from **EG** to **LFO** for light tremolo.

Play with DFAM's **Velocity** knobs for different rhythmic accents.

Raise the DFAM's **Noise/Ext Level** knob to 9 o'clock for added fun.

Aftermath

MATCH ALL KNOBS, SWITCHES & PATCH LOCATIONS TO THE GRAPHICS BELOW.

MOTHER-32

FREQUENCY · VCO WAVE · PULSE WIDTH · MIX · CUTOFF · RESONANCE · VCA MODE · VOLUME · IN / OUT

GLIDE · VCO MOD SOURCE · VCO MOD AMOUNT · VCO MOD DEST · VCF MODE · VCF MOD SOURCE · VCF MOD AMOUNT · VCF MOD POLARITY

TEMPO / GATE LENGTH · LFO RATE · LFO WAVE · ATTACK · SUSTAIN · DECAY · VC MIX

MIDI IN · HOLD / REST · PATTERN (BANK) · OCTAVE / LOCATION · RESET / ACCENT · (SHIFT) · RUN / STOP (REC) · (KB) · (STEP)

MOTHER-32 | SEMI-MODULAR ANALOG SYNTHESIZER · moog

EXT. AUDIO · MIX CV · VCA CV · VCA
NOISE · VCF CUTOFF · VCF RES · VCF
VCO 1V/OCT · VCO LIN FM · VCO SAW · VCO PU
VCO MOD · LFO RATE · LFO TRI · LFO SQ
MIX 1 · MIX 2 · VC MIX CTRL · VC MIX
MULT · MULT 1 · MULT 2 · ASSIGN
GATE · EG · KB · GATE
TEMPO · RUN / STOP · RESET · HOLD

DFAM

VCO DECAY · SEQ PITCH MOD · VCO 1 EG AMOUNT · VCO 1 FREQUENCY · VCO 1 WAVE · VCO 1 LEVEL · VCF HP · CUTOFF · RESONANCE · VCA EG · VOLUME · IN / OUT

1-2 FM AMOUNT · HARD SYNC · VCO 2 EG AMOUNT · VCO 2 FREQUENCY · VCO 2 WAVE · NOISE / EXT LEVEL · VCO 2 LEVEL · VCF DECAY · VCF EG AMOUNT · NOISE / VCF MOD · VCA DECAY

TEMPO · TRIGGER · RUN / STOP · ADVANCE · PITCH · VELOCITY

TRIGGER · VCA CV · VCA
VELOCITY · VCA DEC · VCA EG
EXT AUDIO · VCF DEC · VCF EG
NOISE LEVEL · VCO DECAY · VCO EG
VCO MOD · VCO 1 CV · VCO 1
1-2 FM AMT · VCO 2 CV · VCO 2
TEMPO · RUN / STOP · ADV / CLOCK
TRIGGER · VELOCITY · PITCH

DFAM | DRUMMER FROM ANOTHER MOTHER | SEMI-MODULAR ANALOG PERCUSSION SYNTHESIZER · moog

NOTES:

Mother-32 is set to drone.
Press keys 1, 2, or 3 on Mother-32 to add some darkness.

ONE Faux ONE

MATCH ALL KNOBS, SWITCHES & PATCH LOCATIONS TO THE GRAPHICS BELOW.
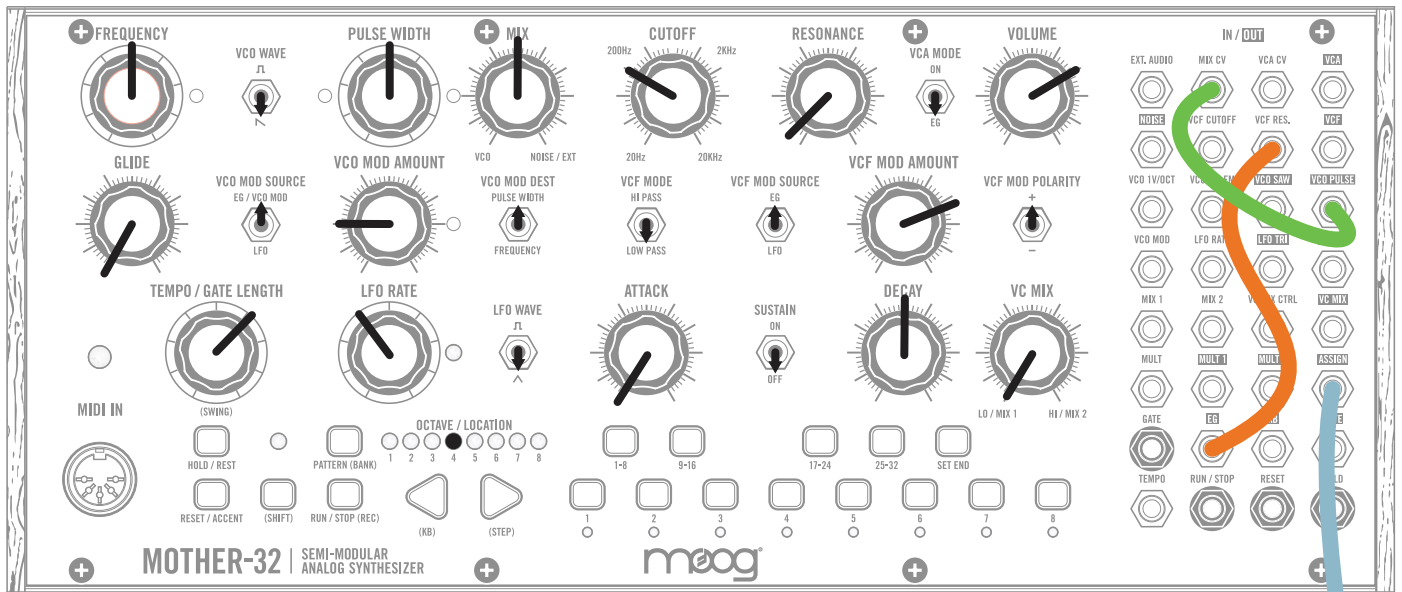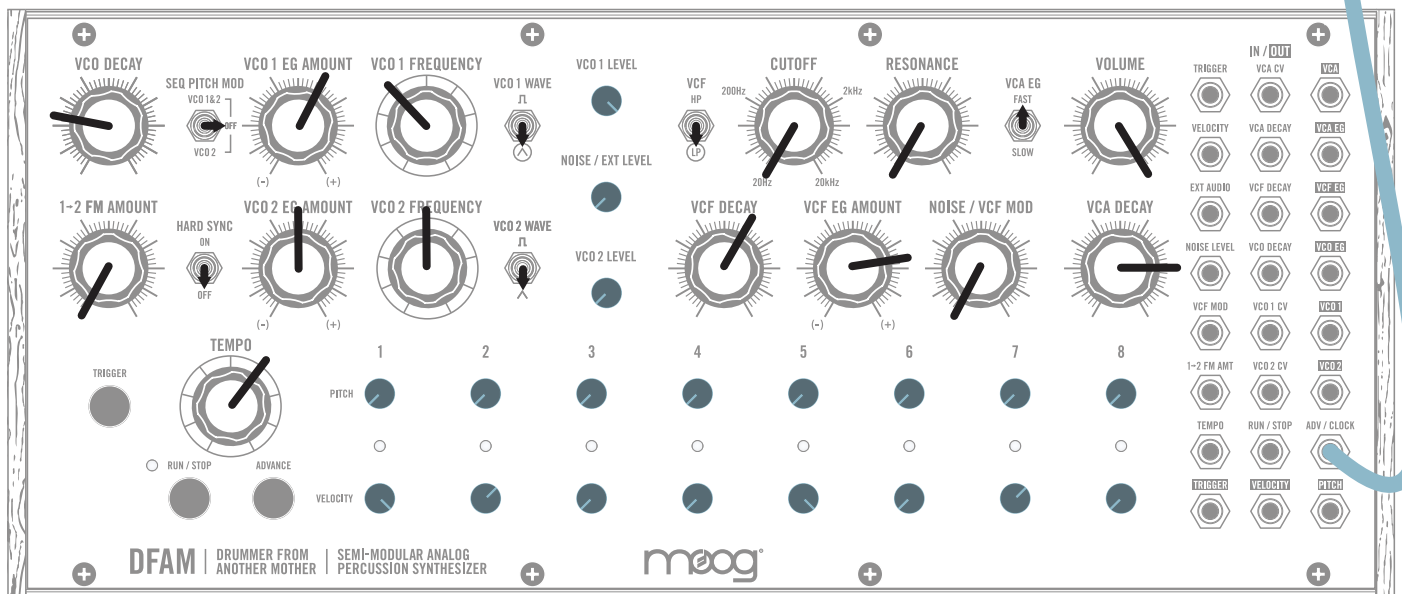

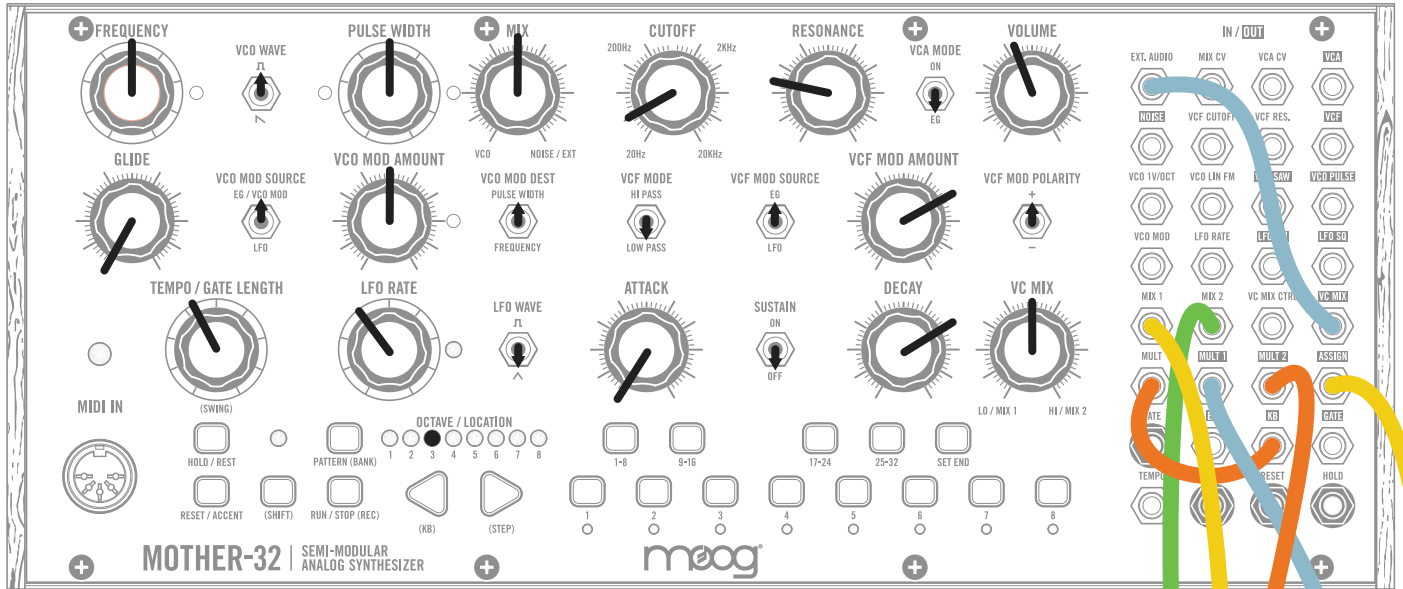**MOTHER-32**

DFAM

NOTES:

Patch **LFO TRI** output on Mother-32 to **VCF DECAY** input on DFAM to vary kick decay length.
Play with DFAM's **Velocity** knobs to change up the rhythm.
Turn the **Resonance** knob on the DFAM up all the way to create an electro kick.
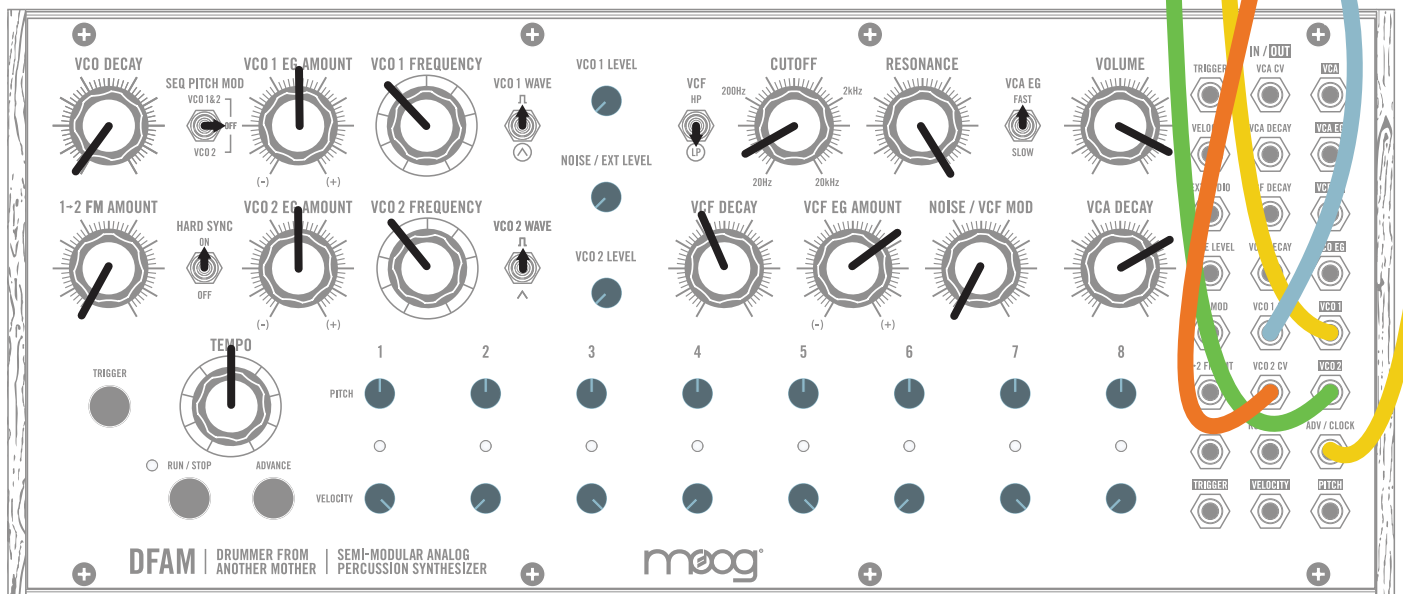
3 Squares & A Sine

MATCH ALL KNOBS, SWITCHES & PATCH LOCATIONS TO THE GRAPHICS BELOW.

MOTHER-32

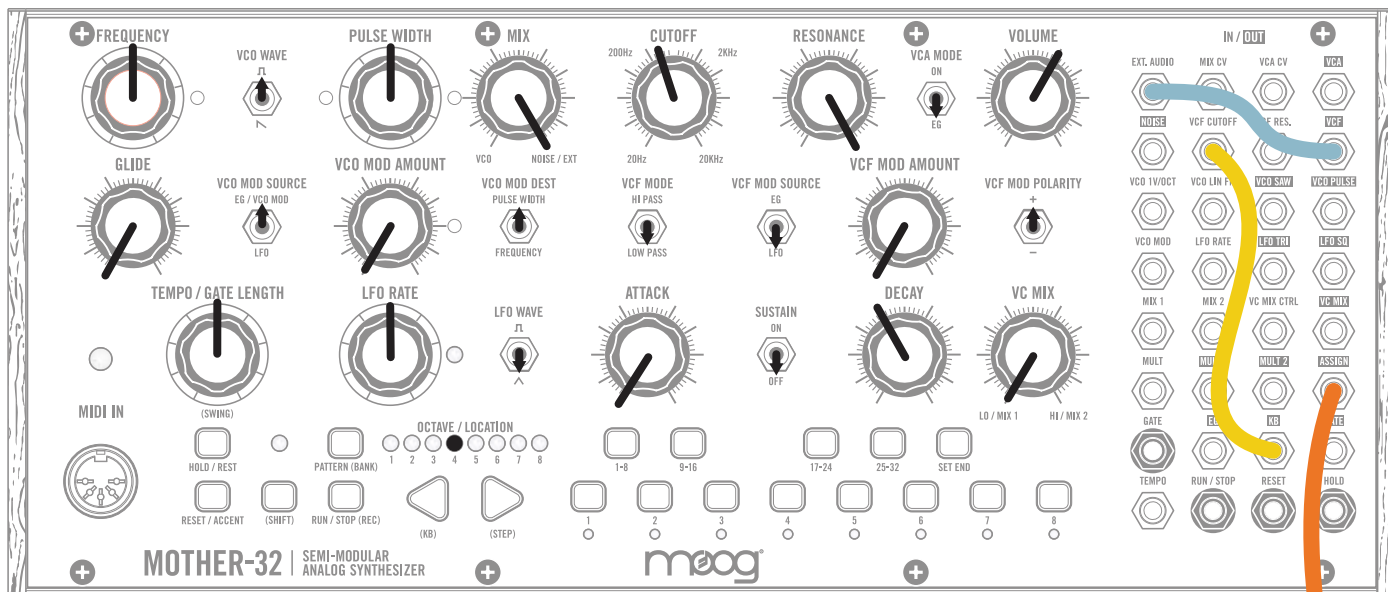**DFAM**

NOTES:

VCO 1 & **VCO 2** on DFAM can be adjusted to taste.
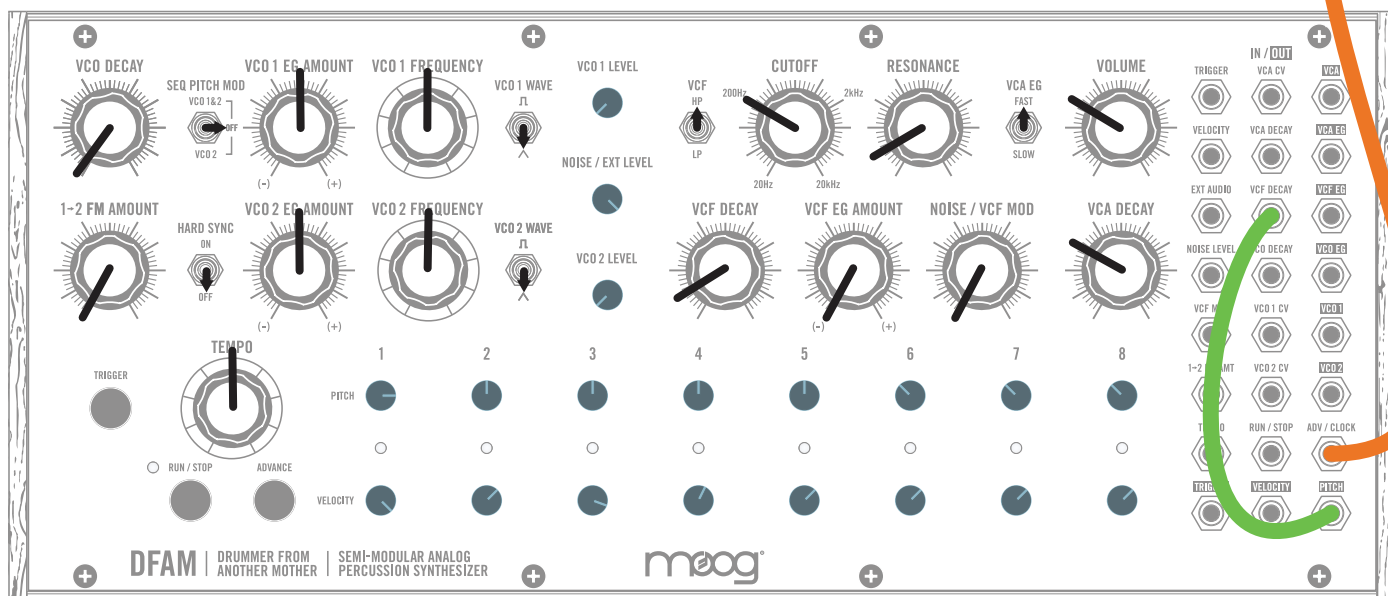Try matching DFAM's VCOs with the frequency of the Mother-32.

Sine Up For Noise

MATCH ALL KNOBS, SWITCHES & PATCH LOCATIONS TO THE GRAPHICS BELOW.

MOTHER-32

MOTHER-32 | SEMI-MODULAR ANALOG SYNTHESIZER

DFAM

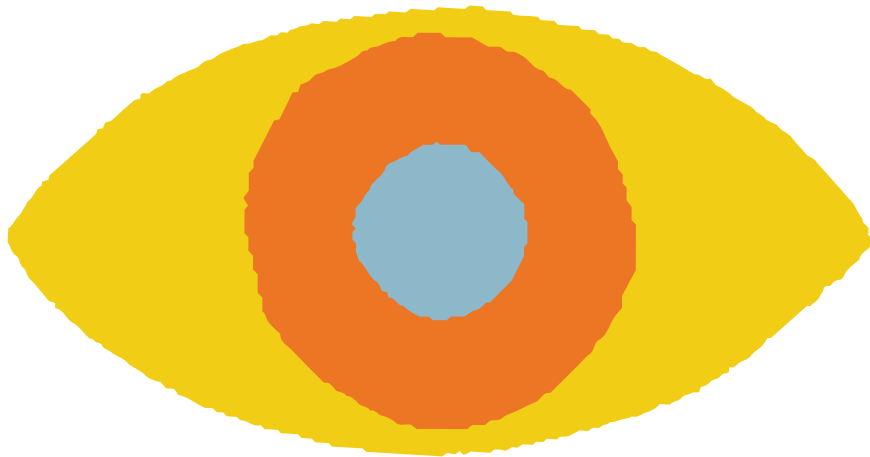DFAM | DRUMMER FROM ANOTHER MOTHER | SEMI-MODULAR ANALOG PERCUSSION SYNTHESIZER

NOTES:

Program a sequence on the Mother-32.

Set the **Mix** knob on Mother-32 to VCO and play with the **Cutoff** knob for some zaniness.

Music is the key to all science and art – the link between metaphysics and physics through which the universal laws and their many applications can be understood.

Moog Music Is An Employee-Owned Company Based In Asheville, NC