

KNOB CON

THE DISTORTED DOZEN

KNOB CON NUMBER TWELVE SEPTEMBER 6-8, 2024

Lecture Schedule

SATURDAY

The Basics of Synthesis

10:30am (Copper/Maize)

Marc Doty, the undisputed king of YouTube synthesizer videos provides as comprehensive a primer about synthesis which could be reasonably expected to fit in ninety minutes.

Electronic Chord Progressions, Melodies, and Harmonies Featuring Novation Launchkey Mk4

12:30pm (Copper/Maize)

Join Novation product specialist Evan Weiss and explore how to create captivating chord progressions using the Launchkey Mk4. In this workshop, dive into the creative possibilities offered by Ableton Live and Novation Peak, empowering you to craft unique electronic music. Whether you're a beginner or an experienced producer, you'll learn essential techniques for building rich harmonic structures, incorporating innovative sound design, and enhancing your overall production skills.

Oscillator Sync

2:00pm (Copper/Maize)

Jon Sonnenberg will explain the concepts of oscillator synchronization (hard sync, soft sync, phase sync, etc), along with 8 important sync uses for sound synthesis and sequencing.

The Story of the Synergy Synthesizer

4:00pm (Copper/Maize)

Fred Becker, a Digital Keyboards Synergy user since the 80s who has recorded dozens of albums with the instrument, gives a history of its origins, an overview of additive synthesis and a preview of new things in the works.

SUNDAY

Improvised Live Performance Techniques

11:00am (Copper/Maize)

Eric Turner (Surco) Leads a demonstration and discussion on setting up and playing 100% improvised live performances. Real-time live production in front of an audience while keeping the performance from going off the rails.

Analogue Audio? In my Ethernet?

12:30pm (Copper/Maize)

If you have gear, you need to cable it up, and it doesn't take long before you need a lot of cables. A good way to manage them is to use multi-channel plenum, or "snake" cable. Michael Ashton (Ashton Research) will introduce AES72, a new standard for using Ethernet cable as four-channel analog snake. We'll talk about how it works and how to apply it. We'll also explore the history of multi-channel analog audio connections.

Tomita: Synthesis Techniques

2:00pm (Copper/Maize)

On the 50th anniversary of Isao Tomita's album "Snowflakes Are Dancing", Nicholas D. Kent will look at how he achieved a number of patches on his Modular Moog as well as how those techniques can be applied on more recent equipment.

Event Schedule

FRIDAY

7:00pm Welcome Reception (Sapphire Pavilion)

Too Mere, Plumbus, Kevin Dixon, Ryan Sullivan, Suit & Tie Guy

SATURDAY

10:00am – 6:00pm Exhibits (Mahogany, Sage)

10:30am – 6:00pm Lectures (Copper/Maize)

11:00am & 2:00pm DIY Workshops (Sienna I/II)

12:00pm – 5:00pm JammSPACE (Sienna III/IV)

Presented by Golden Shrimp Guild

12:00pm – 4:00pm ModWiggler Lounge (Cyan)

Presented by Golden Shrimp Guild

2:00pm – 6:00pm Afternoon Abstract (Slate)

Cory Flanigan, The Breathalyzer, Karnblack, OnPrem + Jacob Porter, Mark Mosher, Synsor, Synthdad, SpaceRacer, The Palindrones

6:30pm Knobcon Banquet Cocktails (Sapphire Pavilion)

Knobcon Supper Club All-Stars

7:00pm Knobcon Banquet (Sapphire Pavilion)

Dinner & Paul Schreiber Keynote

8:30pm Knobcon Big Room (Sienna III,IV)

Glacial23, DJ Roommate, WFXR (RMM + Fess Grandiose)

Your Opponent, POB, Surco

8:30pm Knobcon Chill-Out Room (Slate)

Moog Lee, Meridian Alpha, Nireus, Chris Kuborn, Alias Zone, Skyler King, Nick Peck, Mother Dessicant, Monaco 74

Visuals by: GordonsWireWorks, Golfshoe Music Velo Mane & Poor Jr

9:00pm International Players Club (Sapphire Pavilion)

SUNDAY

10:00am – 4:00pm Exhibits (Mahogany/Sage)

10:30 am – 4:00 pm Lectures (Copper/Maize)

11:00 am DIY Workshop (Sienna I/II)

DIY Build Workshops

DIODE CHAOS

Saturday 11:00 AM

Keven Kalay from Zlob Modular will host the building of this chaos generator module. This build is for anyone who can safely wield a soldering iron.

ETCH BIT CRUSHER OR EASY EIGHT SEQUENCER

Saturday 2:00 PM

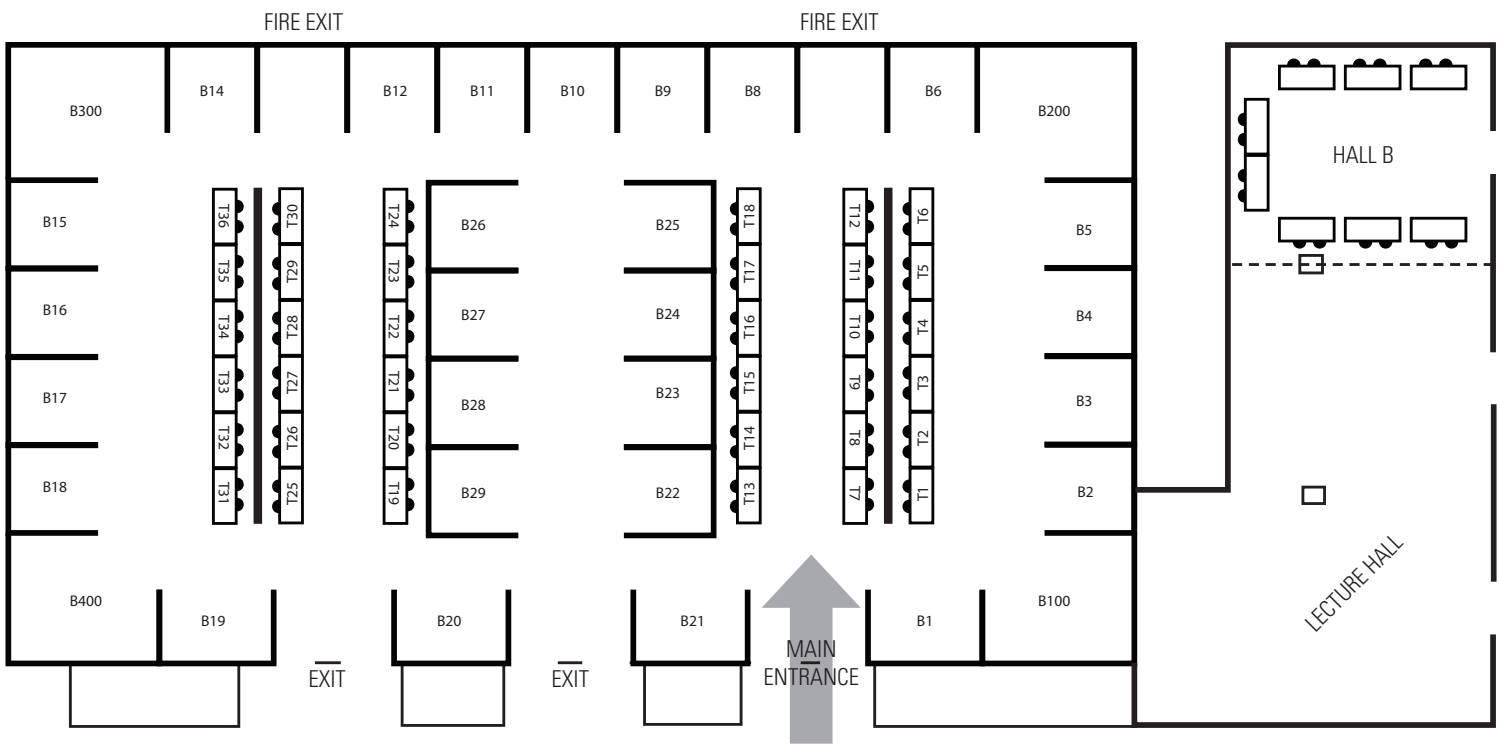
Juanito from Modular for the Masses will guide you through the process of building your choice of effect or sequencer module.

EURORACK MIXER MODULES

SUNDAY 11:00 AM

Abe from AI Synthesis will guide you through the process of building one of 4 different mixer modules.

SEATING IS LIMITED, CHECK WITH HOSTS FOR AVAILABILITY



EXHIBITOR LIST

1010music.....	B10	Frequency Central.....	B12	Novation	T7,T8
4ms Company.....	B15	Future Retro	B5	Oberheim	B100
AI Synthesis	T15	Golden Shrimp Guild.....	T19	Oddment Audio.....	B9
After Later Audio.....	T23	GS Music	B19	OXI Instruments.....	Hall B
ALAN Instruments.....	B2	Hammond	T27	Point and Click Systems.....	Hall B
AmpersandAmpersand	T32	Hite Studios.....	T30	PWM	B400
Analogue Solutions.....	B400	Hive Mind Synthesis.....	T20	Rain City Modular.....	T2
Ashton Research.....	T11	Industrial Music Electronics	B25	Rides in the Storm.....	T21
Bastl Instruments.....	T35	Infinite Digits.....	T22	Rogan Corporation.....	B6
Boredbrain Music	B24	Infinite Machinery.....	T18	Sequential	B100
Bjooks	B29	Infrasonic Audio.....	T16	SetonixSynth.....	B21
Catalyst Audio.....	T5	JoMoX.....	B400	Signals Music Publishing	B8
Circuit Happy	T17	Karltron	B17	Sleepy Circuits.....	T29
Conductive Labs.....	B28	Landscape.....	B26	Soma Laboratory.....	B20
Crey Emporium	T10	LoBlast.....	B14	Studio Electronics	B400
Deftaudio	T36	Lunatic Altar.....	Hall B	Swamp Flux.....	T10
Denki Oto.....	T22	Madisynths.....	B12	Synthcube	B300
Dreadbox.....	B400	Melbourne Instruments	B400	SynthRISE.....	B27
Drift DJ.....	Hall B	Metalphoto of Cincinnati	T14	Synthesis Technology	Hall B
Earth Modular Society	T13	Michigan Synth Works.....	B22	this.is.NOISE	T1
EarthQuaker Devices.....	B3	Midiverse Modular	T24	Tidbit Audio	B21
Electronic Hardware Corporation.....	B16	Modbap Modular	B23	Toys that Make Noise.....	B18
Entropy & Sons.....	B200	Modular for the Masses	T28	VCV	T9
Erogenous Tones.....	B4	Muse Electronic Instruments.....	T26	Vondle Synths.....	T25
Eternal Research.....	Hall B	New Systems Instruments	T12	Weston Precision Audio	T6
Fairfield Circuitry.....	T33	NIIO Analog.....	T3	Wildwood Soundworks.....	T31
Five12	T4	Noise Engineering.....	B11	Zlob Modular.....	T34