presented by
Beat°

SOOPER

THE ONLY EXHIBITION MAGAZINE

▶ **HOW IT ROLLS!**
Everything about Superbooth

▶ **TECHNIQUE ADVISOR!**
Find your next favourite gear

▶ **WHAT, WHEN & WHERE?**
The event highlights

AKA, UMP...
M.. BAM BAM BA..
EH, BRZZZ, SCHII..
MPF, RÖDDER, M..
ÖP, MPF, PIIEP..
LABA, PALAVA,
LING, SCHINGE..

SOOPER TALK: TIMM STOBBE

IN TOUCH WITH THE CREATORS

Most important: enjoy it! «

Beat / *Hey Timm, Superbooth is just around the corner and everyone is really excited to finally talk, marvel, discover and try things out „for real" again. But there will be changes. How does 2021 differ from past editions?*

TS / I think you'll feel like there's more to discover because the event is broader and more venues have been added to the show floor. So you can discover a handful of exhibitors in one space, and as you move on to the next, you can reflect on what you've seen and build some anticipation for the next room, the next tent or the next stage. Of course, there are more regulations on movement, such as the split day, with half in the outdoor area and the other half indoor. But we're sure that both areas have enough to offer to excite all guests. The wearing of masks and the other regulations due to the pandemic are certainly the other obvious changes to past editions, but I think we've all gotten used to it and ultimately the regulations are the things that make this year's SUPERBOOTH21 possible.

Beat / *As you just mentioned, some things had to be varied to make the event happen. One of these is an emphasis on the outdoor area. Will some of the manufacturers have their booth outside as well?*

TS / A lot of booths and stages are found outdoors, while the indoor exhibition will be spread across many different spaces. The outdoor exhibition will take place in tents, each with only a few exhibitors. Thus, all tents and rooms represent a small community, this also applies to the Hüttendorf, which will have its own unique atmosphere. In the Fuchsbau there will be the DIY area, the synth carousel and a stage for the Gesprächskonzerte (lecture concerts). And not to forget the Finnhütten, where the famous club and label Tresor will host a live show every night.

Beat / *How does a typical day at Superbooth look like? How should you prepare? Or should all visitors just "go with the flow"?*

TS / After all, each visitor has chosen a morning or afternoon shift, so I would recommend making a plan for what you don't want to miss for the outdoor shift. Look at the schedules for concerts and talk concerts and check out every corner of the grounds. You'll find yourself walking around the park for five minutes at a time, giving you time to get down and have a quick chat with other visitors. In the indoor area, the motto „go with the flow" really does apply, which also takes some of the hurry out of the trade fair routine. I think many guests will appreciate that.

Beat / *We're eager to hear more about the "Hüttendorf" and "Fuchsbau (fox hole)". What are these about?*

TS / The Hüttendorf hosts some very interesting and, above all, motivated exhibitors. The area is actually a small vacation camp in the forest, with some multi-bed huts, a dining hall and so on. For SUPERBOOTH21, it all becomes exhibition space. The dining hall will host Doepfer and a small stage for presentations, among other things. Outside will be Buchla, Verbos Electronics and Vermona, for example. The Fuchsbau will be an exhibition space, home to the DIY community and stage for talk concerts. There will always be plenty to see here and you can also contribute to the event's musical background yourself, at the Modular Carousel. Error Instruments and Fred's Lab, for example, will also be exhibiting here.

Beat / *Which highlights should not be missed under any circumstances?*

TS / What I haven't talked about yet is our cooperation with the Miller-Zillmer-Foundation - from Diáne Zillmer and Depeche Mode discoverer and Mute founder Daniel Miller - which allows us to bring some highlights to our seaside stage. It's always worth checking out here. Personally, I'm also looking forward to the virtual Gesprächskonzerte (lecture concerts), because the manufacturers have time to come up with something special here - there were already some interesting things to see at last year's Superbooth Home Edition. In addition, I can only urge everyone not to avoid any paths. Firstly, because where there is a lot to discover, there is also a lot to miss, and secondly, because it is healthy to move - we all do too little of that.

Beat / *What thought would you want to share with the readers?*

TS / Let's all get together and have a good time. For this it is important to take care of each other, so please make sure to follow the rules that make SUPERBOOTH21 possible in the first place - and the most important: enjoy it!

www.superbooth.com

DOEPFER MUSIKELEKTRONIK

PERFORM (WITH) YOUR RACK

When it comes to modular equipment, Doepfer is one of the very first manufacturers that come to your mind. The founders of the well-known Eurorack format have grown their repertoire to more than 150 sound sources, signal twisters, voltage manglers and even standalone desktop synthesizers. Their five latest performance modules are the perfect companions for creating happy accidents and surprising sounds on-the-fly.

www.doepfer.de

A-149-4 Quad Random Voltage Source

Module A-149-4 generates four triggered random voltages which meet the criteria chosen by several controls. **Octave Range** defines how many octaves are covered by the random voltages. **Grid** defines the grid of the random voltages: Octaves, Octaves + Quint, Chords, Scale, Semitones and continuous. **Minor / Major** defines in case of chords or scales if they are minor or major. For all other grids this parameter has no meaning. **Sixth / Seventh** defines if the sixth or seventh is added. Create random polyphonic structures and use it for any application that requires multiple random voltages.

Width: 4 HP | Depth: 45 mm

A-126-2 Voltage Controlled Frequency Shifter II

Module A-126-2 is a fully analog frequency shifter for audio signals. If the shifting frequency is e.g. 200 Hz an incoming audio frequency of 1000 Hz becomes 1200 Hz. Pay attention that this is different from pitch shifting where all frequencies are shifted proportional! The frequency range of the internal quadrature VCO is about 8 octaves (about 20Hz … 5kHz). If required an external quadrature VCO can be used. An **envelope follower** is used to derive an envelope signal from the audio signal. The up and down outputs are internally connected to the inputs of a voltage controlled crossfader. Create melodic variations of sequences and patterns, generate movement in drums & loops or expand the frequency range of other modules' output.

Width: 8 HP | Depth: 55 mm

A-138f
Dual Three-Way Crossfader

Module A-138f contains two identical crossfaders with three inputs and one output each. The perfect companion for live-gigs and performances.

Width: 4 HP | Depth: 30 mm

A-182-4
Dual Rotary Switches

A simple passive module that contains two mechanical rotary switches with 4 positions each. As the module is fully passive it **works bidirectional**, i.e. the sockets 1…4 can be inputs and then C is the output. The module can also be used as kind of a **miniature 4x4 matrix**.

Width: 4 HP | Depth: 20 mm

A-179-2 Light Controlled
Voltage Source II

Module A-179-2 can be used to convert illumination intensities into corresponding analog voltages and a gate signal derived from the analog voltage. A **light sensitive resistor** (LDR) converts the illumination of the internal light sensor **into a corresponding analog control voltage**.

Width: 4 HP | Depth: 30 mm
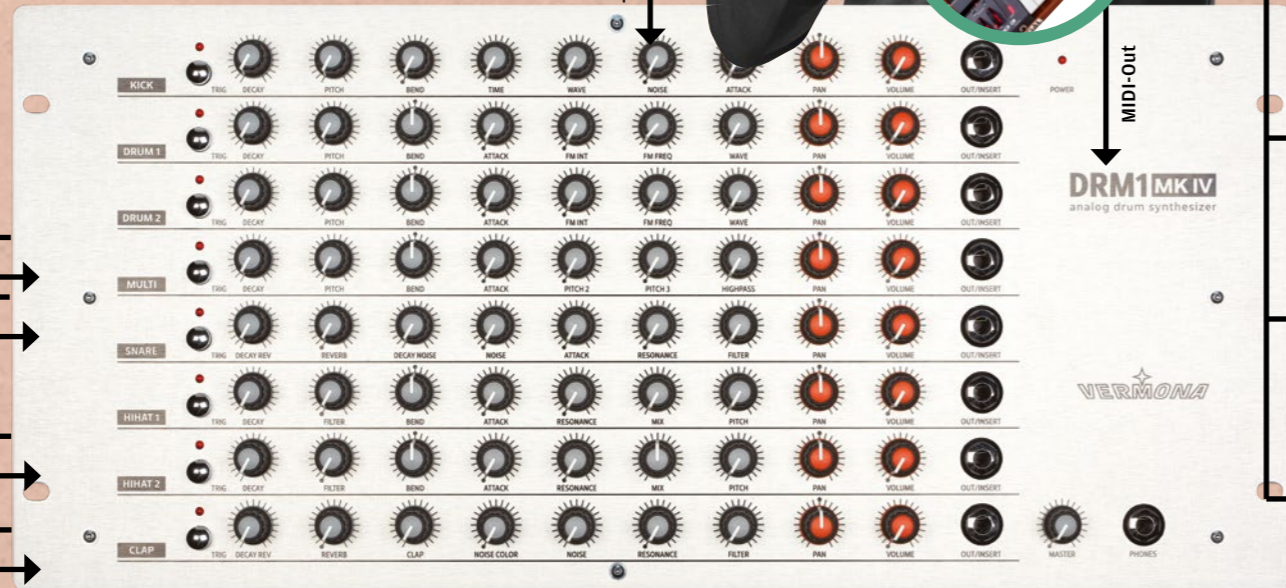
VERMONA DRM1 MKIV

YOUR MOST UNIQUE DRUMS

Since the mid-nineties, the DRM1 has been synonymous with electronic drum and percussion sounds based on analog circuitry coupled with an uncompromising control surface. The DRM1 MKIV continues this tradition.

The DRM1 analog drum synthesizer can quite rightly be called a classic, because the expander has now been on the market for 25 years. Analog drum synthesizers are still very popular with their lively sound and direct access to all parameters, but as ready-made complete solutions, mostly replicas of drum computer classics like TR-808 and TR-909 are currently available. Independent and flexible drum channels can currently be found mainly in the form of Eurorack modules from companies such as Erica Synths or MFB, but an 8-channel drum synthesizer is not quite as cheap as they are.

The DRM1 mkIV is very impressive with its unique sound and, for a pure analog sound generator, very flexible sound characteristics. If you want individual, punchy and totally unique analog drum and percussion sounds that can be quickly adjusted thanks to their direct access, there's no way around the DRM1. The numerous detail improvements in the instrument channels make DRM1 mkIV sound even better than the previous models: a tail improvements in the instrument channels make DRM1 mkIV sound even better than the previous models: a USB port facilitates the integration into the studio and the dynamic trigger inputs, in combination with the MIDI output, expand the application possibilities of this machine. An exceptional drum synthesizer at a fair price!

Since analog drum sounds in particular benefit greatly from external post-processing, individual outputs are a must. With the DRM1, you can even loop in external effects devices directly.

Indulge your ears:
Listen to the unique sound
of DRM1 mkIV

www.vermona.com

Down Beat

Elektro

Minimal

Dub Groove

Hardcore

Stomper

Trigger-In

MIDI-Out

DRM1 MK IV
analog drum synthesizer

VERMONA

What you see is what you get: The audible sound corresponds exactly to the current knob settings, there are no memory locations.

NOVATION CIRCUIT RHYTHM

SAMPLE EVERYTHING *FAST*

Sampling is an art. And when creativity strikes, your tools need to be working fast. Novation's Circuit Rhythm features a simple & streamlined workflow for Beatmakers and Live-Performers that want to focus on the heart of their art: sampling!

CIRCUITFEATURES

Circuit Rhythm is a versatile sampler for making and performing beats. Record 222 seconds of samples directly to the hardware, then slice, sculpt and resample your sounds effortlessly. Capture your groove quantised or off-grid into the sequencer, and layer up across eight sample tracks. Invigorate your live set with performance FX: embrace imperfection with lo-fi tape, stutter your mix with beat repeat, and more. Integrate Circuit Rhythm into your studio, or unplug and create anywhere utilising the built-in rechargeable battery.

www.novationmusic.com

CIRCUIT RHYTHM

STEPBYSTEPWORKFLOW

GET DA CHOPPA!

1 SAMPLE AWESOME SOUNDS
2 PLAY DRUM BEAT
3 SLICE LOOP LIKE ONIONS
4 RECORD INSTRUMENT
5 PERFORM LIVE WITH GRID FX

CLARITY ON DEMAND

SMOOTH OPERATOR –
INTELLIGENT SIGNAL BALANCER.

BABY AUDIO.

AKAI PROFESSIONAL FORCE & MPC ONE

THEY CONTROL YOUR STUDIO

When it comes to standalone sequencers and grooveboxes, the Force and MPC One are not to be missed. With their extensive connectivity through CV, MIDI and USB ports they can control and sequence literally any piece of gear and thus form a true centrepiece in your studio. Turn off your computer and start to perform ...

Force   MPC One

FORCE – Standalone Clip Launching Console

Introducing FORCE, the ultimate in standalone end-to-end production workflows, complete with every tool you need to produce, remix, mashup and perform your tracks live. Fusing clip-launching, a linear arranger, MIDI Multi capability, step sequencing, sampling, synth engines, tactile touch screen control and much more, all in a singular standalone device, FORCE is primed for any setting, from the studio to the mainstage – no computer needed.

MPC One – Standalone MIDI Sequencer & Sampler

Akai Professional's next generation standalone, multi-core powered MPC Series features MIDI Multi capability, transforming MPC into the ultimate MIDI sequencing studio center piece. Connect and route all the MIDI gear in your studio including class compliant USB Keyboards, MIDI interfaces, USB to CV modules and audio interfaces, supercharging your I/O capability. Fuse this with deep internal MIDI routing capability across tracks, comprehensive MIDI routing to any MIDI compatible synthesizer, drum machine or sound module, and even multitrack recording capability, and MPC forms the beating heart of any production setup, unleashing the true power of all your gear.

The Tower Of Automation – MIDI & Modular in control

Control external analogue synth gear using MIDI-Outs and the 8 built-in CV ports. These ports can be configured to send pitch, velocity, and gate CV to analogue synths, drum machines, etc. Automate knob movements, notes, gates and play it all back in time with the MPC.

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U-HE HIVE 2

POLLINATED WITH MODULAR DNA

Hive's clear layout and easy workflow let you create stunning patches in next to no time at all. Although surprisingly CPU-friendly, Hive doesn't sacrifice flexibility or audio quality. Now packed with more controls than ever, version 2 opens up new dimensions of expression... and sheer fun! **www.u-he.com**

Panel presets for oscillators, filters, envelopes, LFOs, sequencer, FX and modulation matrix

With innovations such as the Shape Sequencer and Function Generators, Hive 2 offers complex modulation possibilities that are rarely found in synthesizers on the market. In combination with the flexible **wavetable engine**, there are hardly any limits to individual sound design, from standard sounds to experimental sound escapades. Hive 2 is intuitive and easy to use, making it a Swiss Army knife for all kinds of synthesizer sounds for beginners and experts alike.

For complex modulations, Hive 2.0 has a **shape sequencer**. Here, a separate curve can be set for each step. Each of the **four tracks of the sequencer** has individual parameters for speed, length, etc., so that even intricate polyrhythmic modulations are possible. The new **function generators** also offer different curve shapes, even loopable and then reaching into the audio range if the attack-decay values are set accordingly. Like all modulators, they can be intuitively routed directly to all important parameters via **drag & drop**.

Both oscillators have separate signal paths including individual filters, which is visually supported by mirroring the control elements. Editing of the wavetable parameters, for example changing the position or playback direction, is done in the hexagon-shaped control panel between the two oscillators.

2 oscillators with standard waveforms or 20 wavetables, up to 16x unison, tunable sub-oscillators

2400+ NKS-ready factory presets by some of our favourite sound designers, many more available online

3. Unique 8-step shape sequencer with 4 independent outputs

Scale quantizer with pre-defined list of scales

2 function generators which can serve as extra envelopes, gate generators, LFOs, slew limiters

7 rearrangeable effects: distortion, chorus, delay, phaser, EQ, reverb, compressor

Drag & drop modulation assignment

12 x 2 modulation matrix slots with modifiers for curvature, rectification, quantization, sample & hold, slew rate

Arpeggiator, step sequencer with real-time recording

Listen to Hive's audio demos

9

BITWIG STUDIO 4' IS HERE

NEW MUSICAL TIMELINES

Bitwig Studio 1 was hello, world! Version 2 brought program-wide modulators and CV integration. Version 3 saw the birth of The Grid, our modular sound-design environment. And for the latest version, royal features like comping, randomness and way more expression have arrived. Welcome to Bitwig Studio 4.

www.bitwig.com

This means comping for audio clips, both in the Clip Launcher and the Arranger. A new set of Operators, for changing the chance, recurrence, and more of any note or audio event. Random Spread for any expression point (like per-note pitch, or audio panning) with perfect control. And Native Apple Silicon support on Mac, even allowing Intel and ARM plug-ins to work side-by-side. Bitwig Studio 4 is a free upgrade to everyone with an active Upgrade Plan for Bitwig Studio. All new features except comping are also part of Bitwig Studio 16-Track and 8-Track.

Comping works wherever you are

Since we have a Launcher and an Arranger, comping lives inside the audio clip. So if you are composing in the Launcher, just click to enable comp recording right there. Or just drag clips in either direction with your takes safely inside. Even open the layered editor when multiple comps belong together.
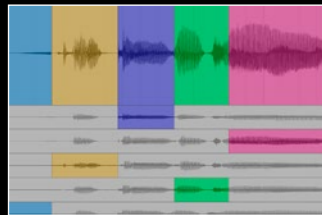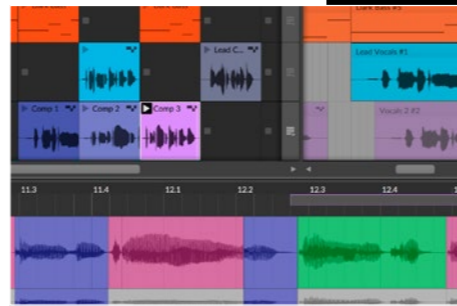
Audio Comping, Anywhere the Clip Goes

Since the invention of studio recording, our task has been to create the perfect performance. Comping allows you to combine the best parts of many takes, and Bitwig Studio provides this and more. Each take is given its own color so from the first swipe of a take lane, the sources are clear. To swap in a different take, just tap it. Then press the up or down arrow to cycle thru the other takes. From the composite lane, move a boundary by clicking, adjust gain by dragging, or fix timing by sliding.

Slice long tracks to comping

And since all good techniques deserve a new trick, right-click any audio clip to Fold To Takes. If you ask for an eight-bar comp, the entire clip will be spooled into take lanes, and the comping can begin. Or just drag audio in to add a new take lane. The stranger the sources, the newer the result.
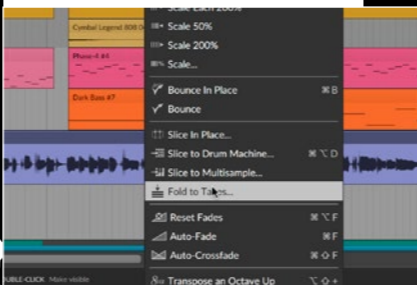
BITWIG SPREAD & OPERATORS

OPERATORS: MAYBE THE BEST LOOPS DON'T

Modulation has always been a centerpiece of Bitwig Studio. Modulators have been there all along, putting device parameters into motion. And now with Operators, sequenced note and audio events can become electric too. This leads to clips that go to different possibilities and timelines, either by programming, by performance control, or by destiny.

Chance makes each event more or less likely. Give all the notes a probability value, so they won't be heard every time the clip is played. This can even keep a one-bar loop interesting for hours. Btw: thanks to a flatten option you can bounce the random notes into a non-random clip.

Repeats allow each event to retrigger at a set rate, or just divide the note length into any number of pieces. Yes, you can ramp the timing of these (and the velocities for note repeats). And a Slice at Repeats option is available to print out the individual events.

Occurrence sets conditions for each event, like: Is this the first loop of the clip or not? Is the performance-control Fill button turned on? Or did the previous event play, or was it silent?

Recurrence thinks of each event as its own looping timeline. So pick a cycle length (say, every four loops of the clip), and then check-off whether the event plays on each of those four passes.
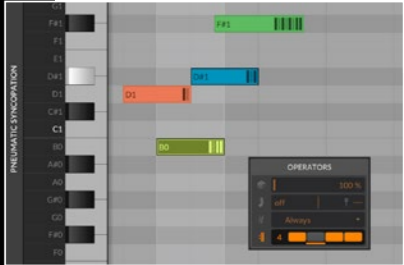
Bitwig's engine uniquely allows expression automation for notes and audio. And since randomness was in the air, we brought a visualized **Spread range** to any expression point. Yes, you can give note velocities randomization, but you could also give each piece of a chord its own panning. Or create a note that starts in tune and then drifts to a random pitch. Or give each slice of an audio clip a slightly randomized gain. We trust you'll find the right use(s) for it.

Get Bitwig 8-Track with BEAT Workzone #19
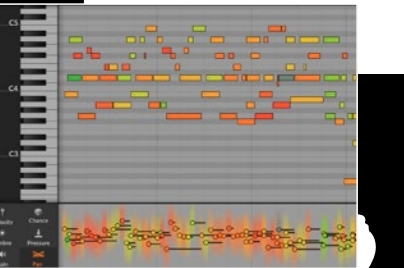
What, when and where

THE SUPERBOOTH21 EVENT HIGHLIGHTS

Besides numerous exhibitors from all over the world, SUPERBOOTH21 offers Lecture Concerts, Workshops, Presentations, Talks, Live shows and other events that will keep you busy. International artists from all genres of electronic music will be present in the four-day program accompanying the trade fair. Here's the higlights...

Wednesday, 10:30am, SchneidersLaden
SchneidersLaden Backstage Tour

SchneidersBuero, as it existed in various places in Berlin since 1999, was the nucleus for imitations worldwide, for SchneidersLaden GmbH and of course for the SuperBooth itself, whose origins have been an identity-forming activity of HerrSchneider since 2001. The tour starts at Kottbusser Tor, after an introduction it leads through all the (otherwise closed) show rooms, the workshop, two external production facilities, the warehouse and logistics; there will be background information on the district and Berlin; on the products and the processes of the departments also from employees, with pleasure a coffee or a cold drink and hopefully answers to all questions.

Meeting point:
10:30am Kottbusser Tor - masks are compulsory

Thursday, 2pm, Pavillion
KOMA Elektronik Field Kit Field Trip 4

KOMA Elektronik meets Rainforest meets children's playground meets Field Kit. What could be better than spending a relaxing half-day with a round mixture of absurd noises, playful soundscapes and the electro-acoustic equivalent of an LSD trip? Exactly. Nothing! So make your plan and sign up for the KOMA Electronics Workshop, where we'll wire up instruments, surfaces, playground equipment, motors, contact microphones and other stuff in a crazy and frivolous way with the Field Kit and build it into a big, living and loud sound sculpture. All you need to bring is a good mood. Relax!

Number of participants:
Maximum 8

Thursday, 4pm, Pavillon
**Creative Soundsafari in cooperation with Elbphilharmonie Hamburg**

In this workshop, the participants go in search of sounds in the environment. The sounds are recorded with an easy-to-use app (Koala) and then processed into a small piece of music. After a joint introduction to the use of the app and the course of the workshop, the participants will each receive a tablet in pairs, which they will use for their sound safari. The recordings collected during the tour of the outdoor area of the FEZ are arranged into small pieces of music in a subsequent work phase. A selection of the pieces will be viewed and listened to together at the end. All the works created will be made available to the participants via a download link. This workshop is suitable for children and young people from the age of 8 and has no age limit.

www.elbphilharmonie.de

Friday, 11:30am, DIY Tent
DIY Workshop: Prototyping and making musical instruments

Microcosmos is an open source platform based on the popular Teensy 4.1 Microcontroller, it's a small box with buttons, encoders, RGB leds, LCD Display, audio and midi connections. It was designed for musicians who want to create their own unique instrument but also for those who want to prototype new musical instruments and algorithms without having to worry about the hardware first. During the workshop in the first hour the system and its operation will be illustrated, an introduction to the FAUST programming language will be made and subsequently the users will design with us an algorithm to be played on the microcosmos. Attendees will be offered a discount to purchase the microcosmos when it becomes available for sale. Microcosmos is standalone, it needs a computer to be re-programmed and powered. Participants should have a laptop (any operating system) and an internet connection via their smartphone hotspot (mandatory to work with the Microcosmos tools).

Price (Max. 14 participants): 5 €
www.faselunare.com
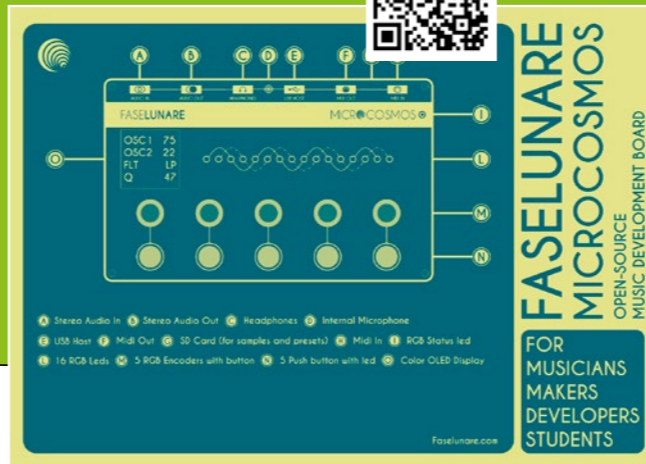
Saturday, 7:30pm, Seebühne
Miller-Zillmer Foundation presents: Pole

There are few artists as deeply rooted in the ethos of modern experimental dub as Pole, aka Stefan Betke. His seminal works called Pole 1, Pole 2 and Pole 3 have been instrumental in shaping the foundation for electronic music in subsequent decades. Inspired by walks in the woods and complex sonic environments in cities, his sound skirts and wanders through different worlds of thought, engulfing the listener in a warm and familiar place. His association with the highly regarded Mute Records label stretches back to his self-titled album in 2003, and in 2020 he surprised everyone with the next logical step in his discography, Fading, which achieved authoritative acclaim and critical acclaim. „Every Pole album connects to recordings I've made before," says Betke, „to stay in that kind of vertical progression." That evolution continues now with his new album Tanzboden, released again in collaboration with Mute. It emerged from re-listening to various loops constructed for the Fading release, which were felt worthy of becoming an album in their own right. SuperBooth is thrilled to welcome Stefan to this year's programme. For more info on his creative process and his view on the current situation, feel free to listen to the 29.7.2021 show on Sooperradio with Stefan Betke.

FASELUNARE MICROCOSMOS
OPEN-SOURCE MUSIC DEVELOPMENT BOARD
FOR MUSICIANS MAKERS DEVELOPERS STUDENTS
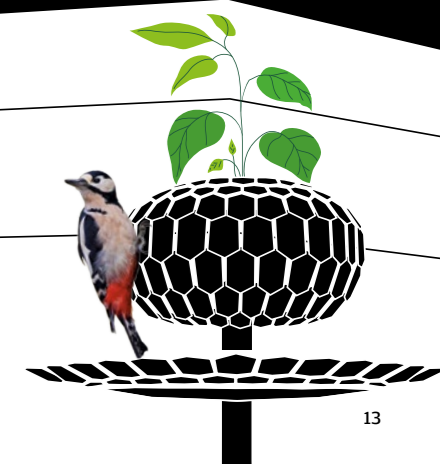
SUPERBOOTH21

You can never have enough!

THE SUPERBOOTH21 GEAR GIVEAWAY

Hooray, we've teamed up with Akai, BabyAudio, Doepfer, Novation and u-he to extend your studio with some of the most innovative gear that is around! What you have to do to take part is simple: Just visit www.beat.de/giveaways, answer some questions which answers you find in this brochure and choose your favourite price. That's all. Find some basic details on the prices here. We wish you good luck!

ENTER to WIN!

Akai FORCE

The ultimate in standalone end-to-end production workflows, complete with every tool you need to produce, remix, mashup and perform your tracks live. Fusing clip-launching, a linear arranger, MIDI Multi capability, step sequencing, sampling, synth engines, tactile touch screen control and much more, all in a singular standalone device, FORCE is primed for any setting, from the studio to the mainstage – no computer needed.

989 Euro value | www.akaipro.com

Doepfer A-111-6

The A-111-6 offers a complete synth in the smallest space: a total of ten knobs, five toggle switches and ten CV sockets cavort on the front board. Oscillator, filter and envelope are on board, frequency and pulse width modulation included, even filter FM is possible. The resonance is capable of self-oscillation and can be played tonally as a sine waveform when set to the extreme. The envelope works optionally in AD, ADSR or AR modes. But that's not all: there is even room for an audio input on the mini-surface. Not only modular beginners should be happy about a complete synthesiser in such a small space, but especially live performers who need a lot of functionality in portable conditions.

190 Euro value | www.doepfer.de

Novation Circuit Rhythm

Circuit Rhythm is a versatile sampler for making and performing beats. Record samples directly to the hardware, then slice, sculpt and resample your sounds effortlessly. Capture your groove quantised or off-grid into the sequencer, and layer up across eight sample tracks. Invigorate your live set with performance FX: embrace imperfection with lo-fi tape, stutter your mix with beat repeat, and more. Integrate Circuit Rhythm into your studio, or unplug and create anywhere utilising the built-in rechargeable battery.

389 Euro value | www.novationmusic.com

BabyAudio All Plugin Bundle

Smooth Operator combines equalization, spectral compression and resonance suppression into a singular, intuitive workflow. Use it to eliminate harsh frequencies and shape your tonal balance. Spaced Out is a lush wet-FX generator, built for sending your sounds and vocals into weightless, heavenly orbit. Super VHS brings the sound of slightly out-of-tune synths, warm tape saturation, gritty samples and grainy reverbs. Comeback Kid is an intuitive delay plugin that lets your sounds return as a better version of themselves — loaded with character and analog flavor. Parallel Aggressor plays a fundamental part in getting a "big" mix sound. By processing multiple copies of the same track and blending them together you can add more punch to a mix. I Heart NY duplicates your audio and treats it with heavy compression, EQ and a bunch of non-linear magic.

149 US-Dollars value | www.babyaud.io

u-he Plugin of choice

There's many plugin developers but not many have the outstanding reputation of the team around Urs Heckmann. All u-he instruments and effects deliver impressive sound quality, highly usable presets, as well as a tremendous flexibility when it comes to sound design. With this giveaway you can win one of their plugins by your choice.

179 Euro value | www.u-he.com

Rules & Disclaimer
The giveaway is limited to one product per winner. The lottery starts on 15th September 2021 and ends on 30th September 2021 at 11:59 PM. The winner will be chosen randomly and informed via email. To participate the giveaway please enter a valid email address.

Imprint: https://www.beat.de/impressum.html
Privacy: https://www.falkemedia.de/datenschutz.html