SYNTH-WERK™

THE SPIRIT OF TRUMANSBURG

– EST. 2013 –

CUSTOM & STANDARD SYSTEMS

SYNTH-WERK constructs custom systems according to your individual requirements. For that purpose, we utilize modules from Moon Modular and SYNTH-WERK modules. All configurations can of course be changed according to your specific needs. You can also use all Moon Modular modules for your specific system and modify our standard systems.

Handmade cases of walnut wood come naturally. Each device is one of a kind, handmade with highest quality. Ask us for an individual proposal.

SW MODEL 10 SYNTHESIZER
FOR STUDIO AND STAGE

MODEL 10
SYNTHESIZER

When released by Bob Moog in 1968, the Synthesizer 10 crafted at the Trumansburg factory was marketed as one of the most compact of the Moog modular Models. Included were the meanwhile more than legendary and nowadays really hard to find 901 oscillators which layed the foundation for what people still recur to as the genuine Moog sound.

Inspired by the pureness of sound and underlying beauty of design, SYNTH-WERK started studying not only Bob Moogs schemes and layouts, but also the toolmaker behind the artwork and his philosophy regarding sonic aesthetics. Therefore SYNTH-WERK hardware quality benefits from more than 10 years of profound ever-growing understanding of this beautiful mind, that contributed more than one of the fundamental cornerstones that biased the way we think of electronic sound synthesis today.

Just like its paragon the SYNTH-WERK Model 10 is an extraordinary example of an alltime classic module-composition combined with divine simplicity as much as portability. Every single unit is composed from a careful

selection of the finest prime parts available. Regarding its sound generating core, the Model 10 relies on the faithfully recreation of the 901 Oscillator represented by a SW901A control unit combined with two SW901B Oscillators and an independent SW901 Oscillator module. During redesign stage of conducting paths and component organisation, SYNTH-WERK got rid of an old stigma and provided his tribute with an unrivaled thermic tuning-stability. The implemented SW907 half-octave filters are capable to come up with some structural and flexible formant shaping, not at least due to some integrated custom made high class inductors.

907 Fixed Filter Bank with two frontpanel options to choose from. If you decide to go for a custom configuration for example containing the 6401 Bode Ringmodulator or the MM551MIDI/CV Interface, the narrower 907A version is mandatory. If you don't require to gain some space in the rack, you can also upgrade the fixed filter element with the advanced 914 Fixed Filter Bank.

The SYNTH-WERK Model 10 ships perfectly embraced in a tolex covered replica of an

original Moog style travel-enclosure with front lid and an integrated well-spaced custom power supply unit.

The SYNTH-WERK Model 10 can serve you in many ways:

IN THE STUDIO
Make your Model 10 the center of your recording studio and upgrade your modular synthesizer setup with a sound that created legends. Except for phone-plug-size 5U-modules are by the way fully compatible and patchable to Eurorack Systems, so it´s not about adding another niche, it's about expanding your own musical eco-Model and let it grow.

ON STAGE
The Model 10 is a powerfull performer, longing to be used live on stage. Whether you will use it with a sequencing-unit or a keyboard, be assured to have some outstanding sonic possibilities right there at your fingertips. Playing this wonderful instrument is more like talking to an old friend, analogue to that time and space beeing second-tier – so: enjoy!
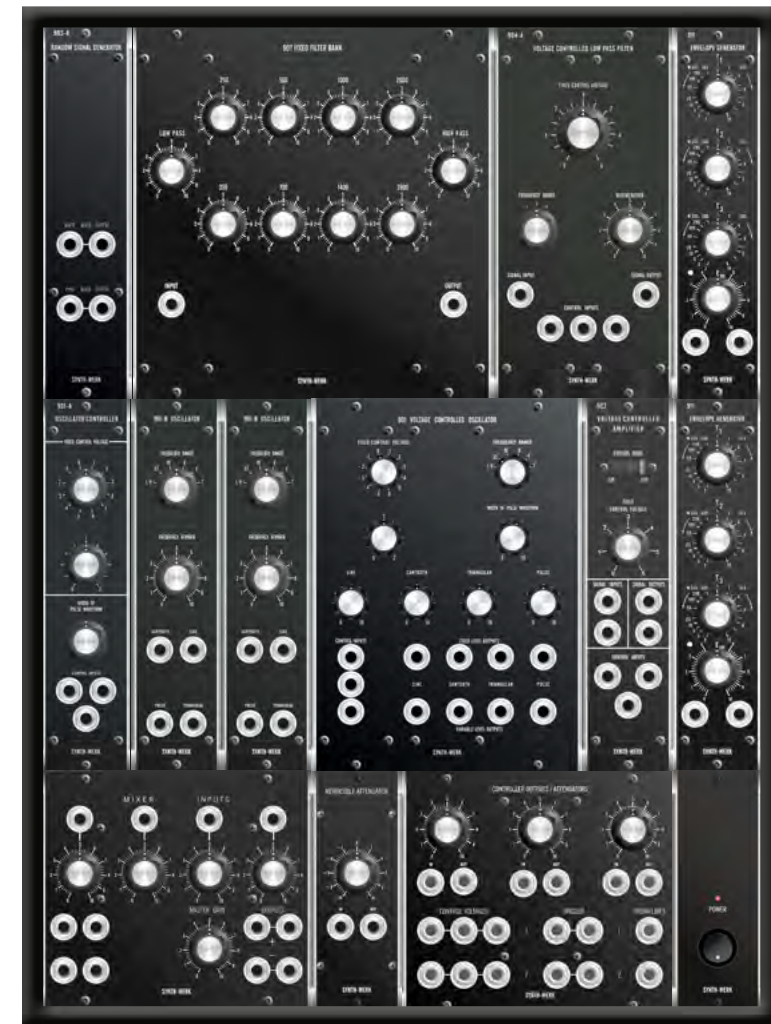
Powering up a SYNTH-WERK is not about switching on – it's about letting an instrument come to life! Masterly handcrafted in Munich, Germany with respect and dedication to a beautiful mind.

SW903A
SW907
SW904A
SW911

SW901A
SW901B
SW901B
SW901
SW902
SW911

SWCP3 Mixer
SW Reversible Attenuator
SW Controller Output
Power Switch

Weight: approx. 18 kg

SW MODEL 12 SYNTHESIZER FOR STUDIO AND STAGE

MODEL 12
SYNTHESIZER

The renowned Synthesizer 12 build from 1972 to 1973 at the Trumansburg factory, equal to its numbered 10 predecessor, was a landmark of craftsmanship that despite close similarity brought along a new developed oscillator model that went by the name 921. The 921 design was a distinct evolutionary step on a constant journey to new levels of analogue waveforming.

Likewise its forerunner, the SYNTH-WERK Model 12 is considered an extraordinary example of a supreme and compact combination of 5U-tools with explicit portability in mind. Every single unit is composed from a careful selection of the finest prime parts available. At heart it relies on our latest achievement in successfully recreating the versatility of the 921 oscillator in every aspect imaginable, resulting in a SW921A control unit combined with two SW921B Oscillators, alongside an independent SW921 module. Compared to the puristic design and musical rawness of its ancestor, the SYNTH-WERK 921 unfolds its capabilities likewise in a much more sophisticated and grownup manner, accompanied by increased tonal flexibility. This is mainly obtained by careful observation of the original build and meanwhile rethinking the whole circuit to produce a VCO that sounds as good as the original. Therefore we respectfully integrated only highly accurate parts and authentic NOS parts, following the original circuit design without any compromise!

More sound sculpting possibilities are implemented with a SW907 half-octave filter module that is capable to come up with some structural and flexible formant shaping, not at least due to some integrated custom made high-class inductors.

It is worth mentioning, that the SW907 Fixed Filter Bank is available with two different frontpanel options to choose from. If you decide to go for a custom configuration containing the 6401 Bode Ringmodulator or the MM551MIDI/CV Interface for example, the narrower 907A version is mandatory. If you don't require to gain some space in your rack, you are also able to upgrade the fixed filter element with the advanced SW914 Fixed Filter Bank.

The SYNTH-WERK Model 12 ships perfectly embraced in a tolex covered replica of an original Moog style travel-enclosure with front lid and an integrated well-spaced custom power supply unit.

The SYNTH-WERK Model 12 can serve you in many ways:

IN THE STUDIO

Make your Model 12 the center of your recording studio and upgrade your modular synthesizer setup with a sound that created legends. Except for phone-plug-size 5U-modules are by the way fully compatible and patchable to Eurorack Systems, so it´s not about adding another niche, it's about expanding your own musical eco-Model and let it grow.

ON STAGE

The SYNTH-WERK Model 12 is a powerfull performer, longing to be used live on stage. Whether you will use it with a sequencing-unit or a keyboard, be assured to have some outstanding sonic possibilities right there at your fingertips. Playing this wonderful instrument is more like talking to an old friend, analogue to that time and space being second-tier – so: enjoy!
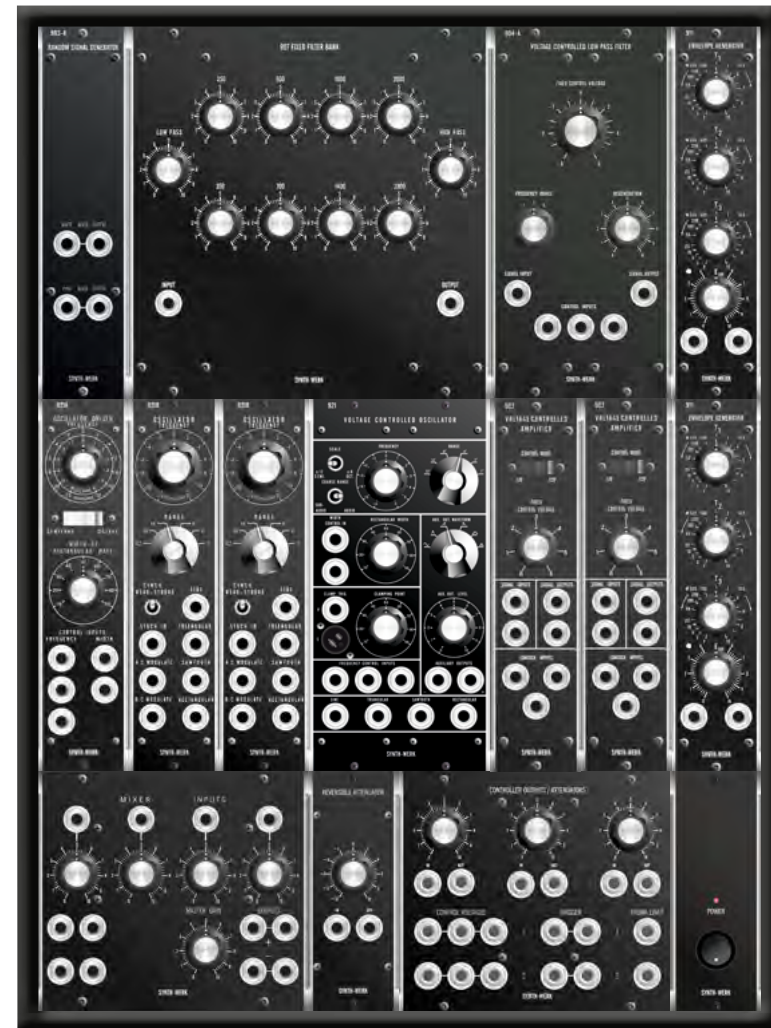
Powering up a SYNTH-WERK is not about switching on – it's about letting an instrument come to life! Masterly handcrafted in Munich, Germany with respect and dedication to a beautiful mind.

SW903A
SW907
SW904A
SW911

SW921A
SW921B
SW921B
SW921
SW902
SW902
SW911

SWCP3 Mixer
SW Reversible Attenuator
SW Controller Output
Power Switch

Weight: approx. 18 kg

SW MODEL 15 SYNTHESIZER
FOR STUDIO AND STAGE

MODEL 15 SYNTHESIZER

The Synthesizer 15 build from 1974 on, equal to its numbered 12 and 10 predecessor, was a landmark of craftsmanship. Likewise its forerunner, the SYNTH-WERK Model 12 is considered an extraordinary example of a supreme and compact combination of 5U-tools with explicit portability in mind. Every single unit is composed from a careful selection of the finest prime parts available. At heart it relies on our latest achievement in successfully recreating the versatility of the 921 Oscillator in every aspect imaginable, resulting in a SW921A Control Unit combined with two SW921B Oscillators, alongside an independent SW921 module. Compared to the puristic design and musical rawness of its ancestor, the SYNTH-WERK 921 unfolds its capabilities likewise in a much more sophisticated and grownup manner, accompanied by increased tonal flexibility. This is mainly obtained by careful observation of the original build and meanwhile rethinking the whole circuit to produce a VCO that sounds as good as the original. Therefore we respectfully integrated only highly accurate parts and authentic NOS parts, following the original circuit design without any compromise! The units are extended by a classic SW903A

Random Signal Generator as well as the voltage controllable famous lowpass Ladder Filter Model SW904A which imparts essentially every audiosource imaginable with its unique character.

More sound sculpting possibilities are implemented with a SW907A Half-Octave Filter module that is capable to come up with some structural and flexible formant shaping, not at least due to some integrated custom made high-class inductors. Besides dynamic modulation the two SW911 elements can be used to describe the contour and envelope of the resulting sound by targeting the SW902 Amplifier or as well controlling the SW904A Lowpass-Filter. Regarding attack and decay times you can choose from the same luscious bandwidth like its reference from two milliseconds up to ten seconds.

It is worth mentioning, that you can decide to go for a custom configuration containing the advanced SW914 Fixed Filter Bank, a MIDI/CV Interface or any other configuration you desire. The SYNTH-WERK Model 15 ships perfectly embraced in a tolex covered replica of an original Moog Style travel-enclosure with front lid and an integrated well-spaced custom power supply unit. The SW MODEL

15 SYNTHESIZER is supplied with a keyboard Interface too easily connect a MOOG 953 or older keyboard.

The SYNTH-WERK Model 15 can serve you in many ways:

IN THE STUDIO
Make your Model 15 the center of your recording studio and upgrade your modular synthesizer setup with a sound that created legends. Except for phone-plug-size 5U-modules are by the way fully compatible and patchable to Eurorack Systems, so it´s not about adding another niche, it's about expanding your own musical eco-Model and let it grow.

ON STAGE
The SYNTH-WERK Model 15 is a powerfull performer, longing to be used live on stage. Whether you will use it with a sequencing-unit or a keyboard, be assured to have some outstanding sonic possibilities right there at your fingertips. Playing this wonderful instrument is more like talking to an old friend, analogue to that time and space being second-tier – so: enjoy!

Powering up a SYNTH-WERK is not about switching on – it's about letting an instrument come to life! Masterly handcrafted in Munich, Germany with respect and dedication to a beautiful mind.

SW907A
SW 994 Multiples
SW904A
SW902
SW902

SW921A
SW921B
SW921B
SW923
SW921
SW911
SW911

SWCP3 Mixer
SW Reversible Attenuator
SW Controller Output
Power Switch

Weight: approx. 18 kg
Width: 46 cm
Depth: 21 cm, plus 4 cm cover
Height: 63,5 cm

THE ENTRY TO SONIC SUPERIORITY

LEGENDARY SOUND – MADE EVEN BETTER

Without a doubt the sonic character of the original 1P system relies deeply on the unique qualities of the most legendary 901ABB oscillator bank accompanied by a single 901, which put together celebrated their reincarnation in form of our highly acclaimed SW901A, SW901B and independent SW901 modules. Instead of performing a mere replication of the initial layout, we carefully redesigned the 901's conductive track and component placing from scratch, solving common thermic stability issues of the archetype in the process to achieve the unrivaled tuning stability this unique oscillator deserved in the first place.

A MATTER OF TASTE AND IMAGINATION

Despite the initial version from 1969 we added a SW960 Sequencer which was an option back then. By gaining one open slot in the reconfiguration process, you also might like to add another sought after classic to your system, for example the SW962 Sequential Switch or our celebrated recreation of the famous Bode Ring Modulator SW6401M.

YOUR PERSONAL SYSTEM – YOUR PERSONAL WAY

With the modules SW907, SW907A and SW914 readily available from our SYNTH-WERK portfolio, you are also able to choose from three different fixed filter bank types to blend perfectly with your system. If you are looking into any further options and custom configurations, take your time and get in touch with us for an elaborate expert advice on creating the SW-1P-2022 of your dreams.

KEYBOARD AND SEQUENCING OPTIONS – THE PERFECT SYMBIOSIS

Note that the included CV and trigger routing module got specially designed for the SW-1P-2022, suporting CV1 and CV2, GATE1 and GATE2 connections coupled to a backside mounted socket reserved for a duo-phonic Moog style keyboard. On the right hand side of the frontpanel you can further choose between CV-signals and trigger-signals deriving from one connected keyboard or alternatively the IN1/IN2-sockets by utilizing the three integrated rocker switches. A third input can be used for connecting the installed 960 Sequencer, or any other CV signal. By the way, all three incoming signals are allowed to be sent directly to the CP3 mixer units. Use the third integrated rocker switch to easily choose between trigger 1 and 2 or two external trigger-signals to be routed to the SW993 CP module.

CUSTOM MADE VERSATILITY – SEAMLESSLY HOOKED UP TO YOUR WORLD

Note that the included CV and trigger routing module got specially designed for the SW-1P-2022, suporting CV1 and CV2, GATE1 and GATE2 connections coupled to a backside mounted socket reserved for a duo-phonic Moog style keyboard. On the right hand side of the frontpanel you can further choose between CV-signals and trigger-signals deriving from one connected keyboard or alternatively the IN1/IN2-sockets by utilizing the three integrated rocker switches. A third input can be used for connecting the installed 960 Sequencer, or any other CV signal. By the way, all three incoming signals are allowed to be sent directly to the CP3 mixer units. Use the third integrated rocker switch to easily choose between trigger 1 and 2 or two external trigger-signals to be routed to the SW993 CP module.

Powering up a SYNTH-WERK is not about switching on – it's about letting an outstanding instrument come to life!
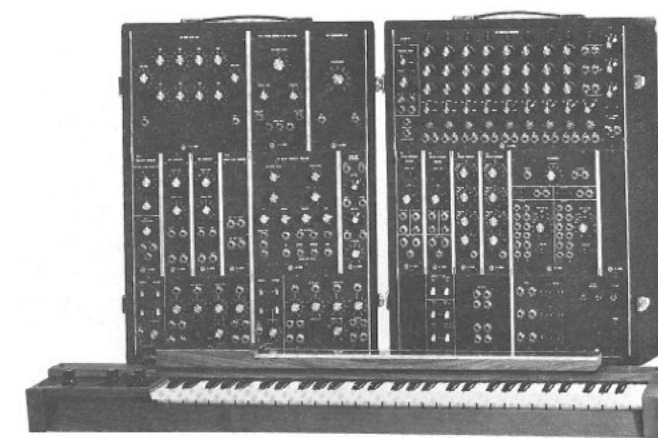
SYSTEM SW-1P-2022
FOR STUDIO AND STAGE

SW-1P-2022
SYNTHESIZER

Instrument Complement Case 1:

SW907 Fixed Filter Bank
SW904A VC Low Pass Filter
SW905 Reverberation Unit

SW901A Oscillator Driver
SW901B Oscillator
SW901B Oscillator
SW903A Random Noise
SW901 Oscillator
SW991 Filter and Attenuator

SW CP3 Mixer
SW CP3 Mixer

Instrument Complement Case 2:

SW960 Sequencer

SW902 VCA
SW902 VCA
SW911 Envelope Generator
SW911 Envelope Generator
SW961 Interface
Blanc (Optional)

SW Reversible Attenuator
SW993 CP
SW994 CP Multiple
SW Control / Keyboard Interface
(Keyboard not included)
SW Balanced Out
M –Power Switch

Masterly handcrafted in Munich,
Germany with respect and dedication
to a beautiful mind.
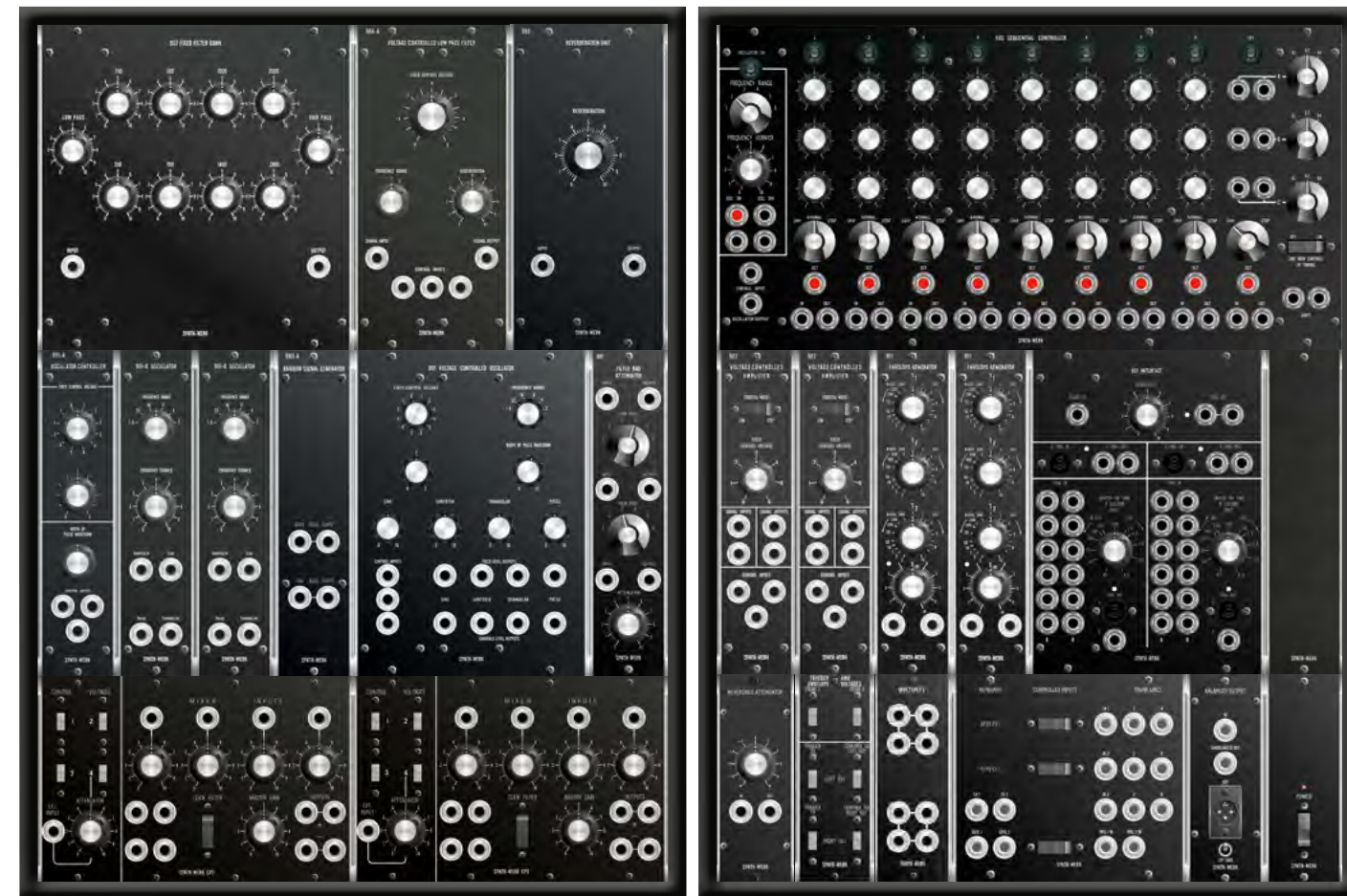
SYSTEM SW-2P-2022 FOR STUDIO AND STAGE

THE NEXT LEVEL OF SONIC SUPERIORITY

LEGENDARY SOUND – MADE EVEN BETTER

Without a doubt the sonic character of the original 2P system relies deeply on the unique qualities of the most legendary 901ABBB oscillator bank accompanied by a 901ABB oscillator bank, which put together celebrated their reincarnation in form of our highly acclaimed SW901A, SW901B modules. Instead of performing a mere replication of the initial layout, we carefully redesigned the 901's conductive track and component placing from scratch, solving common thermic stability issues of the archetype in the process to achieve the unrivaled tuning stability this unique oscillator deserved in the first place.

YOUR PERSONAL SYSTEM – YOUR PERSONAL WAY

With the modules SW907, SW907A and SW914 readily available from our SYNTH-WERK portfolio, you are also able to choose from three different fixed filter bank types to blend perfectly with your system. If you are looking into any further options and custom configurations, take your time and get in touch with us for an elaborate expert advice on creating the SW-2P-2022 of your dreams.

KEYBOARD AND SEQUENCING OPTIONS – THE PERFECT SYMBIOSIS

Note that the included CV and trigger routing module got specially designed for the SW-2P-2022, suporting CV1 and CV2, GATE1 and GATE2 connections coupled to a backside mounted socket reserved for a duophonic Moog style keyboard. On the right hand side of the frontpanel you can further choose between CV-signals and trigger-signals deriving from one connected keyboard or alternatively the IN1/IN2-sockets by utilizing the three integrated rocker switches. A third input can be used for connecting a Sequencer, or any other CV signal. By the way, all three incoming signals are allowed to be sent directly to the CP3 mixer units. Use the third integrated rocker switch to easily choose between trigger 1 and 2 or two external trigger-signals to be routed to the SW993 CP module.

CUSTOM MADE VERSATILITY – SEAMLESSLY HOOKED UP TO YOUR WORLD

Note that the included CV and trigger There is also the possibility of connecting an existing Eurorack system enabled through an added sextet of trunk lines that disembogue in a rear mounted connector to be chained with a multicore cable solution.
If you're going to use your SW-2P-2022 in professional recording environments, you will be glad to hear, that we decided to implement a balanced passive XLR-output to suit your studio needs. Whatever your decision will be, rest assured that every part of your system, from the oscillator and filter modules up to the spring based reverberation unit, will be crafted to original specs using discreet and completely hand-wired selected parts of the highest quality possible, assembled with passion and precision in Munich, Germany.
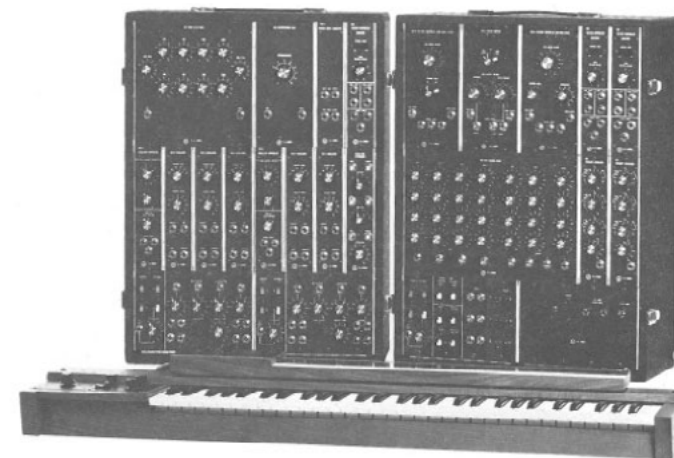
SYSTEM SW-2P-2022
FOR STUDIO AND STAGE

THE NEXT LEVEL OF SONIC SUPERIORITY

SW-2P-2022
SYNTHESIZER

Instrument Complement Case 1:

SW907 Fixed Filter Bank
SW905 Reverberation Unit
SW903A Random Noise
SW902 VCA

SW901A Oscillator Controller
SW901B Oscillator
SW901B Oscillator
SW901B Oscillator
SW901A Oscillator Controller
SW901B Oscillator
SW901B Oscillator
SW991 Filter & Attenuator

SW CP3 Mixer
SW CP3 Mixer

Instrument Complement Case 2:

SW 904B VC High Pass
SW 904C Filter Coupler
SW 904A VC Low Pass
SW 902 VCA
SW 902 VCA

SW 984 Matrix Mixer
SW 911 Envelope Generator
SW 911 Envelope Generator

SW992 CP
SW993 CP
SW 994 Multiple CP
SW Control / Keyboard Interface
(Keyboard not included)
SW Balanced Out
Power Switch
M –Power Switch

Masterly handcrafted in Munich,
Germany with respect and dedication
to a beautiful mind.

SYSTEM SW-3P-2020 FOR STUDIO AND STAGE

SW-3P-2020
SYNTHESIZER

A TRYPTICH OF SONIC SUPERIORITY – DEDICATED TO KLAUS SCHULZE

In 1969 Robert Arthur Moog transformed his mighty and complex 3C studio synthesizer system – due to popular demand – into a stage ready tryptich of extraordinary beauty and sonic superiority. No wonder the roadworthy Tolex covered 3P rose immediate attention among artists worldwide, and therefore found its way into the hands of artists like George Harrison and bands like The Rolling Stones or Tangerine Dream.

One of the most famous 3P users of all time and pioneering founder of the berlin school, Klaus Schulze, bought his system in 1975 from German Artist Florian Fricke and used it for several years for live performances as well as studio recordings. Kindly dedicated to Klaus, we considered it is about time to reengineer and resurrect this wonderful instrument to the very last detail to bring back the authentic sound and feel of this highly sophisticated beauty. With greatest respect to the spirit of the old Trumansburg days, there will be a pristine model but no such thing as a stock 3P-2020, since everything remains customizable to your very own personal taste.

„When you connect with an instrument, no matter of what sort, there is an interaction that's outside of what's actually going through your fingers. I hesitate to use the word 'spiritual', but I'm absolutely sure that there is a consciousness that we connect with."
Bob Moog

1976, Klaus Schulze and Moog 3P

CUSTOM MADE VERSATILITY – SEAMLESSLY HOOKED UP TO YOUR WORLD

There is also the possibility of connecting an existing Eurorack system enabled through an added sextet of trunk lines that disembogue in a rear mounted Sub-D connector to be chained with a multicore cable solution. If you're going to use your 3P-2020 in professional recording environments, you will be glad to hear, that we decided to implement a balanced passive XLR-output to suit your studio needs. Whatever your decision will be, rest assured that every part of your system, from the oscillator and filter modules up to the spring based reverberation unit, will be crafted to original specs using discreet and completely hand-wired selected parts of the highest quality possible, assembled with passion and precision in Munich, Germany.

SW-3P-2020
SYNTHESIZER

SW914 Fixed Filter Bank
SW905 Reverberation Unit
SW994 Multiples
SW991 Filter and Attenuator

SW901A Oscillator Driver
3 x SW901B Oscillator
SW901A Oscillator Driver
3 x SW901B Oscillator

2 x SW CP3 Mixer

3 x SW902 Voltage Controlled Amplifier
SW993 Trigger and Envelope Voltages
SW911 Envelope Generator
SW911A Dual Trigger Delay
2 x SW911 Envelope Generator

SW984 Four Channel Matrix Mixer

SW CP Multiples & Attenuators
SW Control Interface
SW Balanced Output
Power Switch

SW904B Voltage Controlled High Pass Filter
SW904C Filter Coupler
SW904A Voltage Controlled Low Pass Filter
SW992 Control Voltages
SW912 Envelope Follower

SW901A Oscillator Driver
3 x SW901B Oscillator
SW901 Voltage Controlled Oscillator
SW903A Random Signal Generator

2 x SW CP3 Mixer

TSOTM1

The spirit of Trumansburg M1 is a classical analog modular synthesizer setup which includes the following modules:

1x SW901AB
1x SWCP3
1x SW904A
1x SW902
2x SW911

Everything is installed in a hand-made 10U wooden case and powered from its dedicated power supply.

SW901A SW901B SW901B SW901B SWCP3 SW904A SW902 SW911 SW911

The spirit of Trumansburg M1MIDI includes a MIDI/CV Interface from Moon Modular and a SW901AB two Oscillator Bank.

1x Moon Modular 551 MIDI/CV Interface
1x SW901AB (two Oscillators)
1x SWCP3
1x SW904A
1x SW902
2x SW911

Everything is installed in a hand-made 10U wooden case including internal routing of CV and Trigger signals.
The TSOPM1 MIDI is powered from its dedicated power supply.

MM551 SW901A SW901B SW901B SWCP3 SW904A SW902 SW911 SW911

TSOTM2 MIDI

The spirit of Trumansburg M2MIDI includes a MIDI/CV Interface from Moon Modular and two SW901AB Oscillator Banks. Everything is installed in a handmade two row 10U wooden case. The TSOTM2 is powered from its dedicated power supply.

1x Moon Modular 551 MIDI/CV Interface
2x SW901AB
2x SWCP3
1x SW904A
2x SW902
1x SW903A
1x SW995
2x SW911
1x SW911A

Top labels: MM551 · SW911A · SW911 · SW911 · SW995 · SW904A · SW902 · SW902 · SW903A

Bottom labels: SW901A · SW901B · SW901B · SW901B · SWCP3 · SW901A · SW901B · SW901B · SW901B · SWCP3

TSOTM3 2VOICE

The spirit of Trumansburg M3 2VOICE includes two complete voices.
One is based on SW921AB and one is based SW901AB.
Everything is installed in a handmade 10U wide wooden case.
The TSOTM3 is powered from its dedicated power supply.

Top labels: SW911A · SW921A · SW921B · SW921B · SW921B · SW904A · SW902 · SW911 · SW911

Middle labels: SW911A · SW901A · SW901B · SW901B · SW901B · SW904A · SW902 · SW911 · SW911

Bottom labels: SW CP3H · SW CP3H · SW CP Multiples&Attenuators · SW Reversible Attenuator

SEQUENCER COMPLEMENT B BASED ON THE SW 960 FAMILY

SW960   SW962 SW994

SW960   SW962 SW994 SW961   SW960

SEQUENCER SYSTEMS

The SW 960 Sequential Controller, SW 961 Interface and SW 962 Sequential Switch are modular instruments. Available separately or as synthesizer options, they may also be purchased assembled into systems called sequencer complements. A SYNTH-WERK sequencer complement is a primary addition to the basic synthesizer, providing a complete programmed control facility which greatly increases the synthesizers creative potential.

All complements are available in either portable case ore console cabinet.
All units include a built-in power supply

SW960

SW960
SW961CP
SW962CP
SW962CP

Example of a Moon Modular Sequencer
configuration in a M2 case

„Everything has some consciousness,
and we tap into that. It is about energy
at its most basic level."

Bob Moog