



# erica synths pico system I

User manual  
and  
patch book



# ERICA PICO SYSTEM I

We proudly can say that Erica Pico System I is the world's smallest modular synthesizer of its functionality. It contains wisely selected modules so that beginners are introduced with basics of modular synthesizers and advanced users can play hours long live gigs.

Pico modules included in the system are:

**SEQ** – powerful 16 step sequencer with 16 pattern memory

**2xVCO** – 32 custom waves in 2 banks, great 1V/oct tracking and LFO mode

**VCF1** – Polivoks-inspired LP/BP VCF, ideal for acidish basslines

**TRIGG** – 4 trigger pattern generator that also serves as a master clock for the system. Web-based pattern designer app allows user to upload own patterns

**2xDRUMS** – 64 sample player with 3 adjustable parameters and CV control over them. Web-based app and Pico Programmer (included) allows user to upload his own sound samples

**MULTI** – buffered audio/CV/clock signal splitter

**EG** – lin/log ASR envelope generator that works also as LFO

**VCA** – dual linear VCA

**RND** – sine/pulse LFO and random events (random trigger, S&H and noise) generator

**DSP** – stereo effects processor with 8 great sounding custom effects

**A MIX** – 3 input audio mixer

**OUTPUT** – stereo output module with headphone amplifier

Please, refer to user manuals for each module on [www.ericasyths.lv](http://www.ericasyths.lv)!

## **Main specifications.**

Power supply ..... universal 110-240VAC - 9VDC adapter

Power consumption ..... 450mA

Dimensions (W × D × H) ..... 240 × 140 × 80 mm

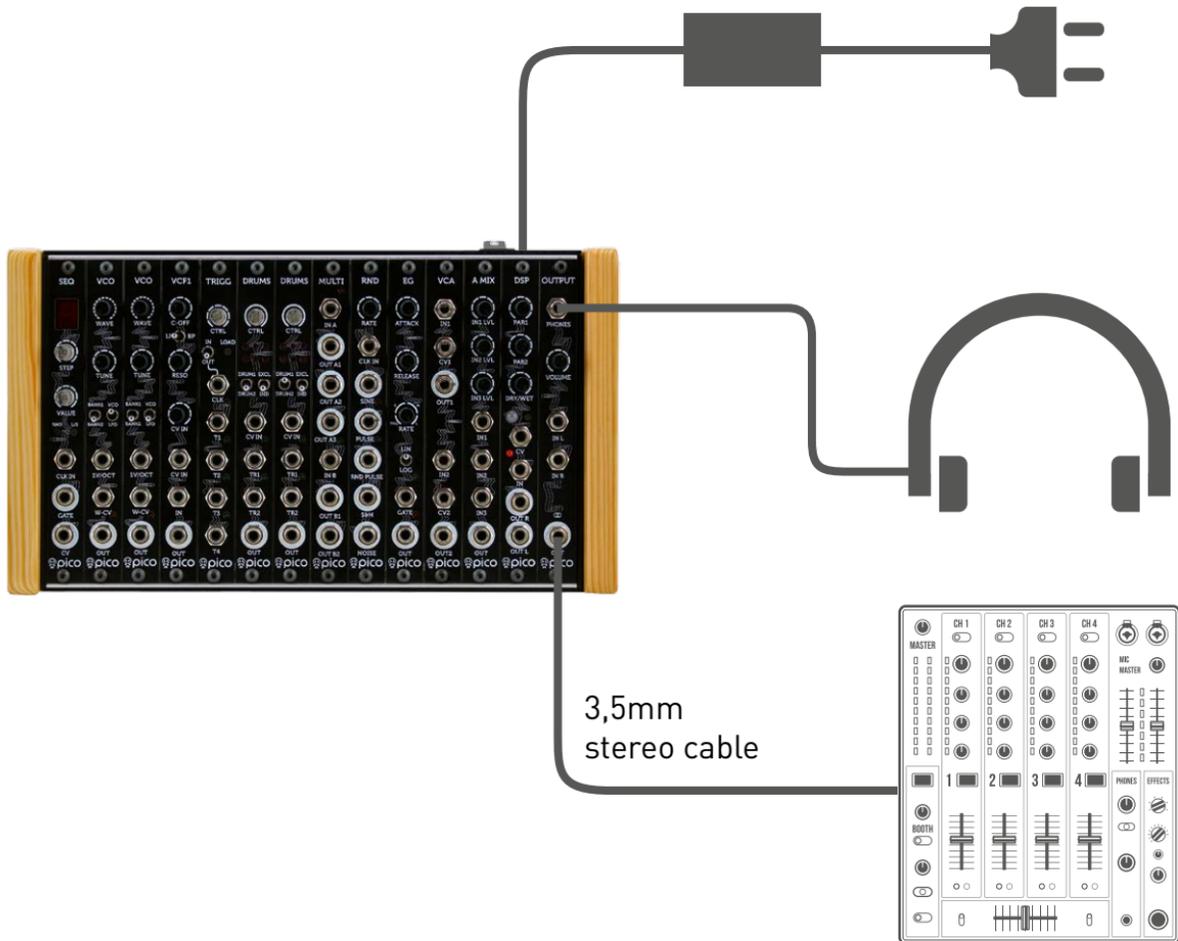
Mass ..... 1,35 kg(excluding PSU), 1,85 kg with PSU and patch cables

Specifications and appearance are subject to change without notice for improvement

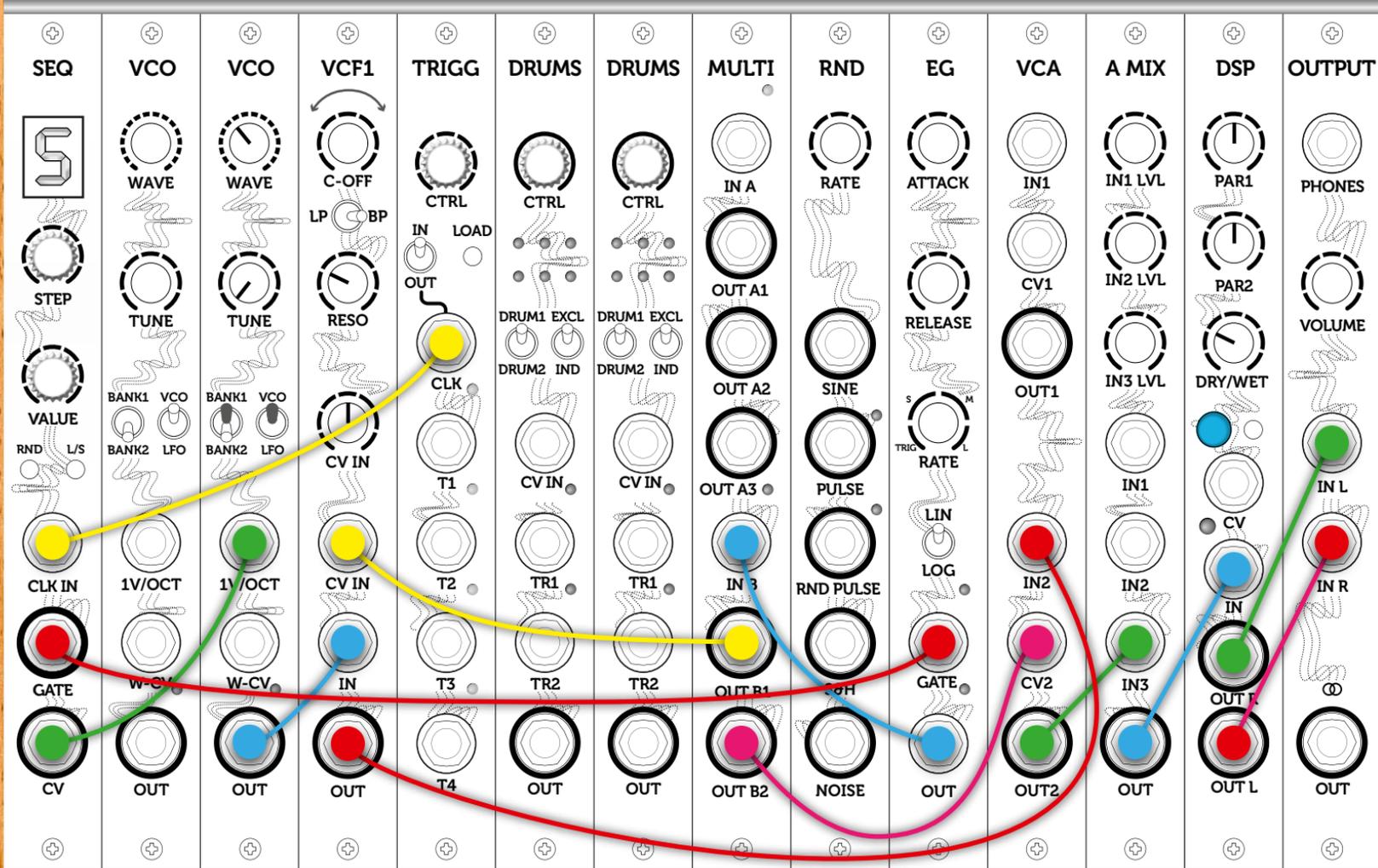
# QUICK START

The Pico System is plug and play! Connect the power connector cable, connect the system output to mixing console or amplifier using 3,5mm stereo cable (not supplied with the Pico System) or connect headphones, flip the power switch and start patching!

Please, refer to patch examples below!



3,5mm  
stereo cable

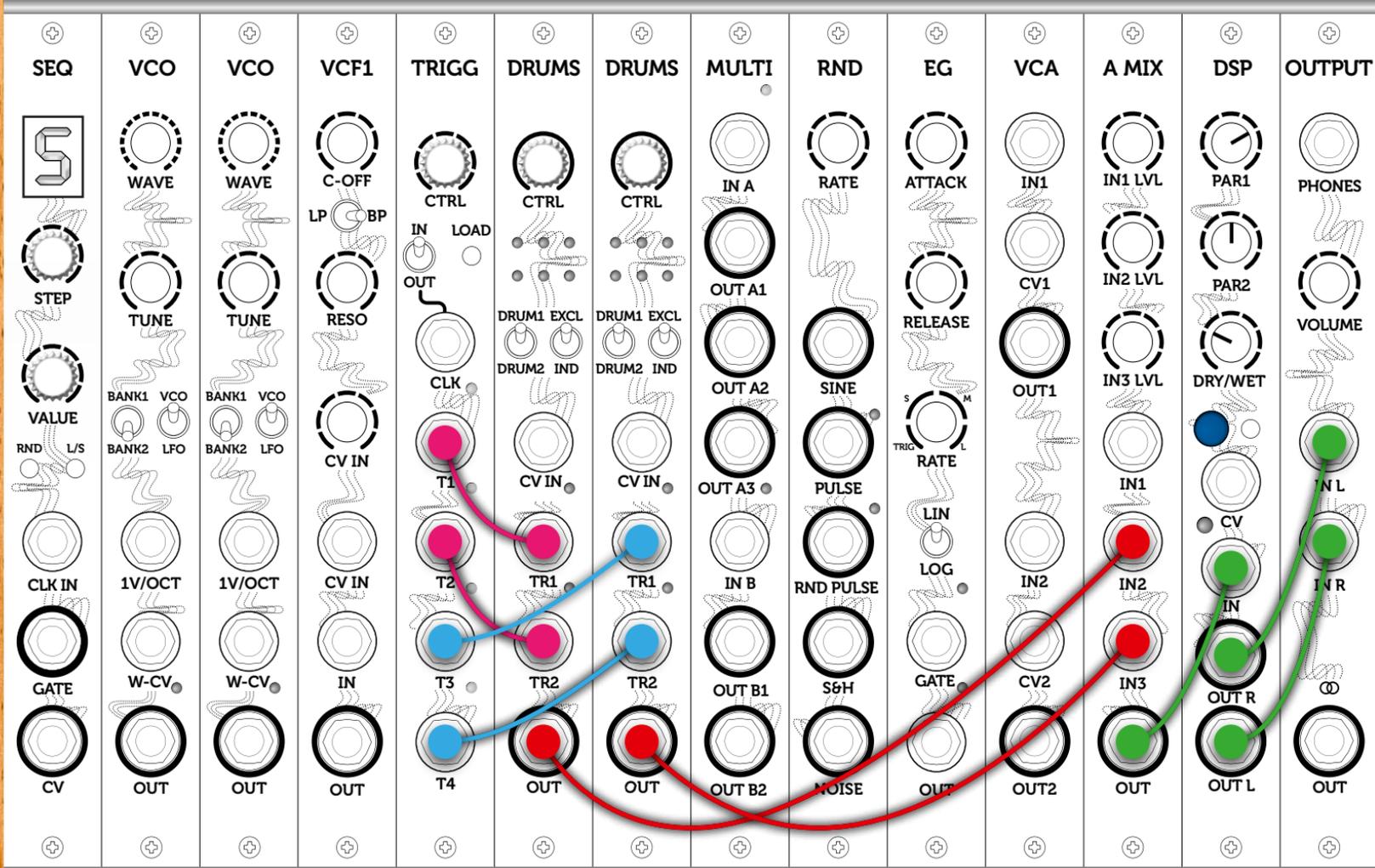


# Patch example 1

## CLASSIC SYNTH PATCH

This is a classic synth patch where the same envelope is controlling the VCA and Filter cutoff.

Program your sequence with the SEQ module or just press the RND button and get a randomized sequence. Set the tempo of the sequence with the CTRL knob on the Trigger module.

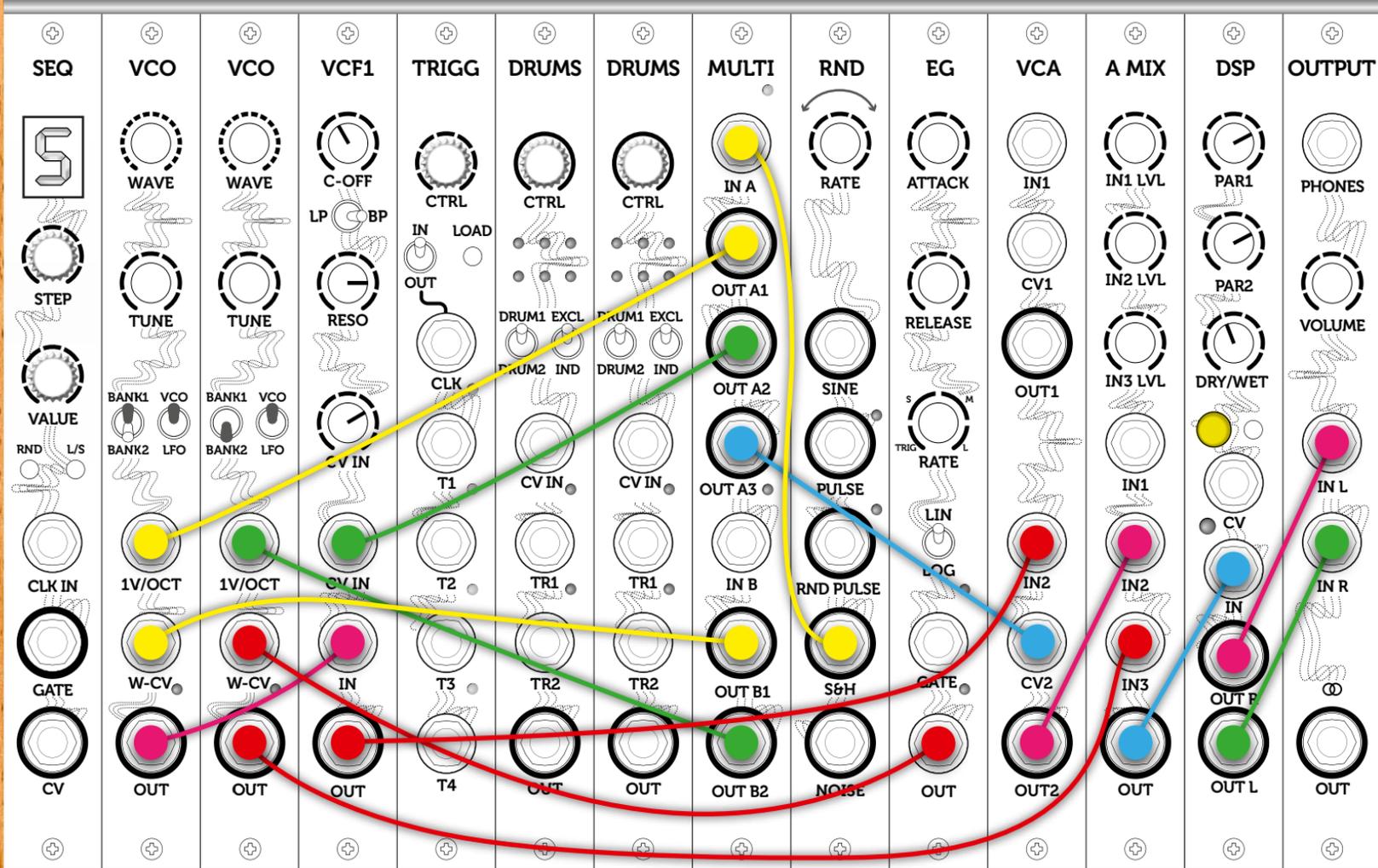


## Patch example 2

# SUPER COMPUTER

In this patch Sample & Hold from the Random module is being used to control all parameters therefore creating the famous sound effect from the 70s SciFi movies.

Play around with the Random RATE setting and VCO tunings!



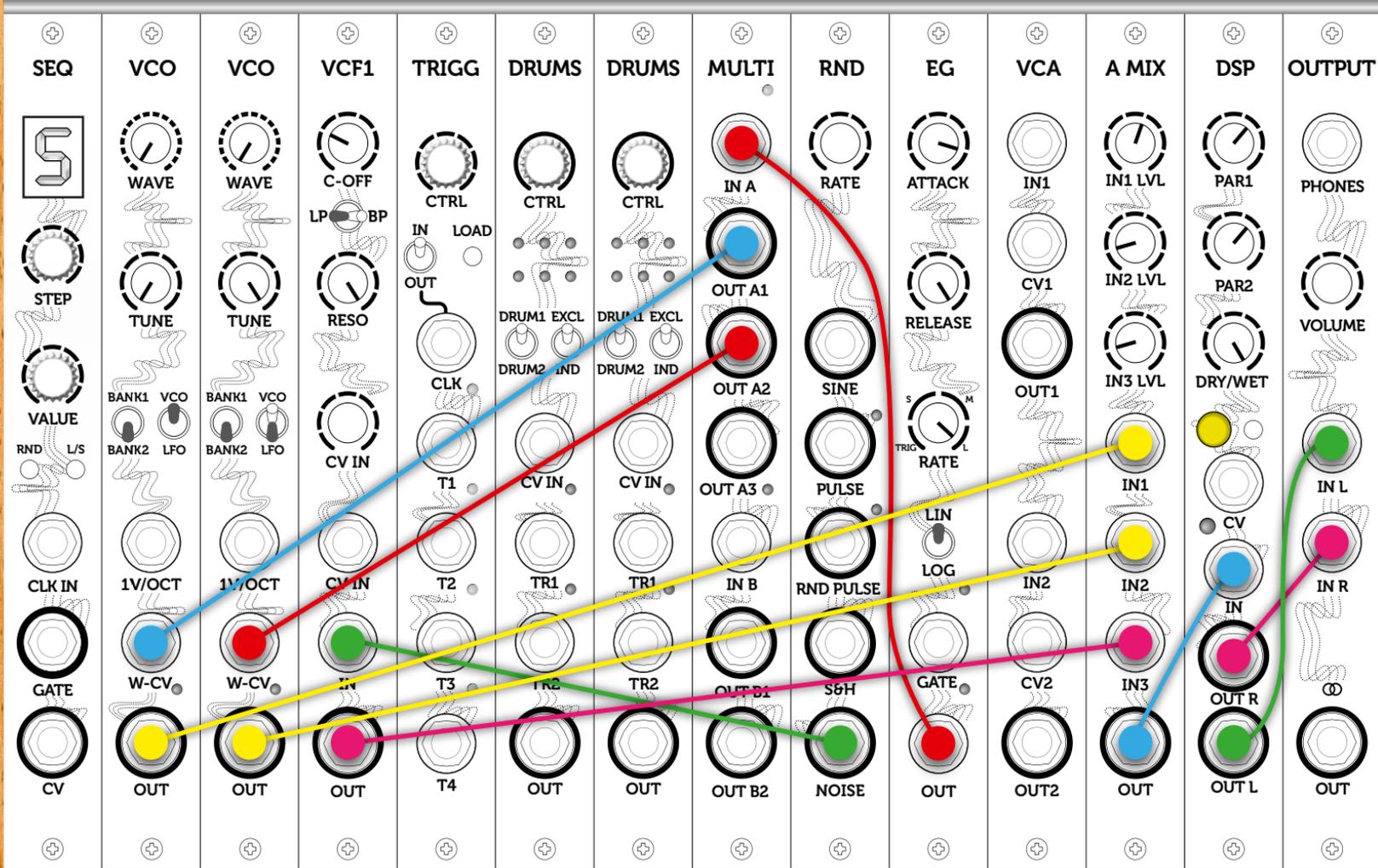
## Patch example 3

### DRUMS

This is a basic patch utilizing both Drum modules.

Browse through the drum sounds with the CTRL encoder on the drum modules and switch the trigger patterns with the LOAD button on the TRIGG module.

NB! You can also upload your own trigger patterns and drum samples on these modules (Refer to their manuals!)



## Patch example 4

### MARTA DRONE

Droney self generating patch utilizing the both VCOs.

Play around with the different DSP effects and VCF!



## Safety Instruction



Use Erica Pico System exclusively with the power supply unit (PSU) supplied with the system. Powering it with other PSU units may cause permanent damage of the device.



Water is lethal for most of the electric devices, unless they are made waterproof. Erica Pico System is NOT intended for use in a humid or wet environment. No liquids or other conducting substances must get into the module. Should this happen, the module should be disconnected from mains power immediately, dried, examined and cleaned by a qualified technician.



Do not expose the module to temperatures above +50° C or below -20° C. If you have transported the system in extreme low temperatures, leave it in room temperature for an hour before plugging it in.



Transport the instrument carefully, never let it drop or fall over. Warranty does not apply to modules with visual damages.



The system has to be shipped in the original packaging only. Any system shipped to us for return, exchange and/or warranty repair has to be in its original packaging. All other deliveries will be rejected and returned to you. Make sure you keep the original packaging and technical documentation. You will find Erica Synths terms of warranty at [www.ericasynths.lv](http://www.ericasynths.lv).

Items for return, exchange and/or warranty repair have to be sent to:

Erica Synths  
Andrejostas Str. 12  
Riga  
Latvia  
LV-1045

## Disposal



This device complies to the EU guidelines and is manufactured RoHS conforming without use of led, mercury, cadmium and chrome. Nevertheless, this device is special waste and disposal in household waste is not recommended.

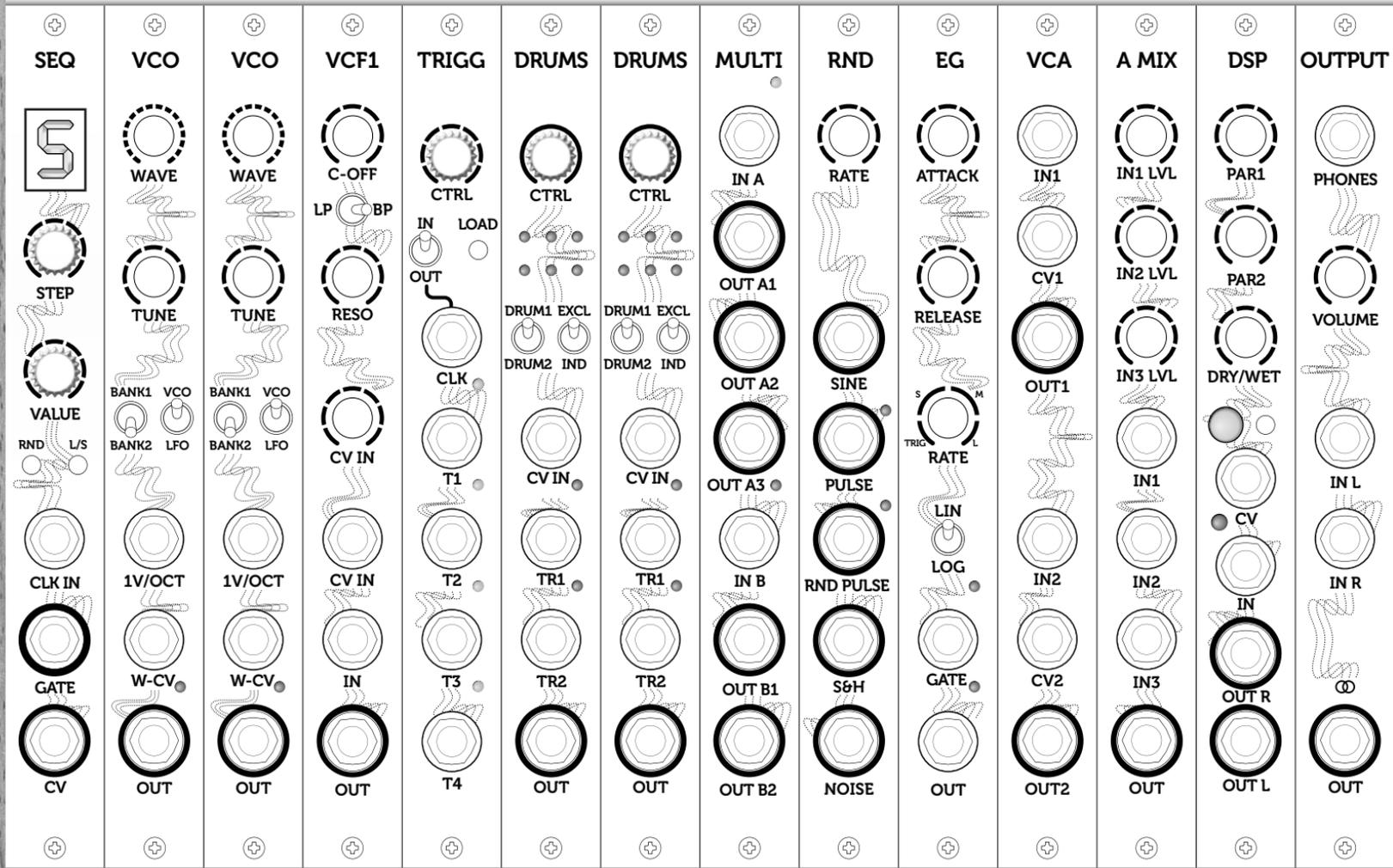
User manual by Girts Ozolins@Erica Synths .

Design by Baiba Stelle.

Copying, distribution or any commercial use in any way is prohibited and needs the written permission by Erica Synths.

Specifications are subject to change without notice.

In case of any questions, feel free to contact us through [www.ericasynths.lv](http://www.ericasynths.lv) or via e-mail [info@ericasynths.lv](mailto:info@ericasynths.lv).



# NOTES