



erica synths

pico

DRUM

THANK YOU FOR PURCHASING ERICA SYNTHS PICO SERIES MODULE!

WITH PICO SERIES WE CHALLENGED OURSELVES – CAN WE MAKE ANY SUPERIOR FUNCTIONALITY SYNTH MODULE 3HP WIDE AND AFFORDABLE?

ERICA PICO DRUMS MODULE GIVES YOU TWO INDEPENDENT GREAT SOUNDING DRUMS (SAMPLES) WITH VERSATILE CONTROL OVER SEVERAL PARAMETERS AND EXTENSIVE COLLECTION OF DRUM SAMPLES. CHAIN UP SEVERAL PICO DRUMS AND GET ONE OF THE SMALLEST MODULAR DRUM SETUP IN THE MODULAR WORLD!

FEATURES

- 2 INDEPENDENT DRUMS (SAMPLES)
- MEMORY OF 64 SAMPLES ASSIGNABLE FOR EACH DRUM
- USB INTERFACE FOR USER SAMPLES UPLOAD
- INDEPENDENT CONTROL OVER PITCH, DECAY AND LEVEL FOR EACH DRUM
- VOLTAGE CONTROLLED PITCH, DECAY, LEVEL AND SAMPLE SELECT FOR THE FIRST DRUM
- SEPARATE TRIGGERS FOR EACH DRUM
- AUDIO OUTPUT OF MIXED DRUM SOUNDS
- EXCLUSIVE SWITCH TO SELECT HOW THE TWO DRUMS INTERACT WITH EACH OTHER WHEN TRIGGERED AT THE SAME TIME
- 12BIT RESOLUTION, 44KHZ SAMPLING FREQUENCY

TECHNICAL SPECS

RESOLUTION	12 BIT
SAMPLE RATE	44 KHZ
POWER CONSUMPTION	+35MA, -15MA
MODULE WIDTH	3HP
MODULE DEPTH	35MM

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DRUM

THE ILLUMINATED ENCODER IS THE MAIN CONTROL FOR ALL FEATURES. SEE THE TABLE BELOW FOR ALL FEATURES DESCRIPTION!

SWITCH BETWEEN 2 DRUMS TO SELECT DESIRED SAMPLE AND ADJUST PARAMETERS. WHEN SWITCHING BETWEEN DRUMS, SETTINGS FOR NOT ACTIVE DRUMS ARE SAVED AUTOMATICALLY

PATCH HERE THE CV TO CONTROL PITCH, DECAY, VOLUME OR SAMPLE SELECT FOR THE FIRST DRUM

THIS IS TRIGGER INPUT FOR THE SECOND DRUM. THE LED INDICATES THE INCOMING TRIGGER

6 LEDS INDICATE, THE DRUM SELECTED IN BINARY CODE. YOU CAN SELECT ONE OF 64 SAMPLES FOR EACH DRUM. A MODULE COMES WITH 64 PREINSTALLED SAMPLES, BUT YOU CAN UPLOAD YOUR OWN SAMPLES VIA PROGRAMMER. ALSO LEDS INDICATE LOAD/SAVE SLOTS FOR YOUR PERSONALIZED MODULE CONFIGURATION

SWITCH BETWEEN EXCLUSIVE OR INDEPENDENT MODES! THIS DEFINES, HOW THE TWO DRUMS INTERACT WITH EACH OTHER WHEN TRIGGERED AT THE SAME TIME

THIS IS TRIGGER INPUT FOR THE FIRST DRUM. THE LED INDICATES THE INCOMING TRIGGER

THIS IS OUTPUT FOR BOTH DRUMS MIXED ACCORDING TO LEVEL SETTING

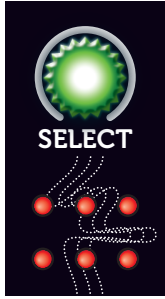


SAMPLE SELECT



IF ENCODER IS NOT LIT, THIS MEANS YOU ARE IN SAMPLE SELECT MODE. ROTATE THE ENCODER TO SELECT THE SAMPLE!
6 LEDES WILL INDICATE SELECTED SAMPLE IN A BINARY CODE.

PITCH ADJUSTMENT



IF THE ENCODER IS LIGHT GREEN, YOU ARE IN PITCH ADJUSTMENT MODE. ROTATE THE ENCODER TO SET THE PITCH OF THE DRUM SAMPLE. IF YOU ALTER THE PITCH OF THE DRUM, AND THEN WISH TO RETURN TO THE ORIGINAL PITCH, ROTATE THE ENCODER UNTIL IT FLASHES RED ONCE! IT INDICATES THAT YOU ARE AT THE ORIGINAL PITCH SETTING.

DECAY ADJUSTMENT



IF THE ENCODER IS LIGHT RED, YOU ARE IN DECAY ADJUSTMENT MODE. ROTATE THE ENCODER TO SELECT DESIRED DECAY TIME.

VOLUME ADJUSTMENT



IF THE ENCODER IS LIGHT YELLOW, YOU ARE IN DRUM VOLUME ADJUSTMENT MODE. ROTATE THE ENCODER TO SET DESIRED DRUM VOLUME.
IF YOU ALTER THE VOLUME OF THE DRUM, AND THEN WISH TO RETURN TO THE ORIGINAL VOLUME SETTING, ROTATE THE ENCODER UNTIL IT FLASHES RED ONCE! IT INDICATES THAT YOU ARE AT THE ORIGINAL VOLUME SETTING.

CV INPUT CONFIGURATION



YOU CAN CONFIGURE CV INPUT FOR FOUR CONTROLS: PITCH, DECAY, VOLUME AND SAMPLE SELECT.

TO ACTIVATE CV INPUT CONFIGURATION, **SET THE DRUM SELECT SWITCH TO DRUM1 POSITION** AND PUSH AND HOLD THE ENCODER FOR 2" UNTIL IT STARTS BLINKING. THEN ROTATE THE ENCODER TO CONFIGURE CV INPUT. ONCE YOU HAVE SELECTED DESIRED CV INPUT CONFIGURATION, PUSH THE ENCODER PROMPTLY.

ENCODER BLINKING GREEN MEANS, CV CONTROLS PITCH
ENCODER BLINKING RED MEANS, CV CONTROLS DECAY
ENCODER BLINKING YELLOW MEANS, CV CONTROLS VOLUME
6 SAMPLE SELECT LEDS BLINKING MEAN, CV CONTROLS SAMPLE SELECT. SAMPLE SELECT IS QUANTIZED TO SEMITONES, AND THE FIRST SAMPLE IS SELECTED WITH OV APPLIED TO THE CV INPUT.

SAVE/LOAD DRUM SETTINGS



WHEN PREPARING YOUR PERFORMANCES, YOU CAN SAVE ALL CONFIGURATIONS, PITCH, DECAY AND VOLUME SETTINGS FOR BOTH DRUMS IN ONE OF 6 SLOTS OF MODULE MEMORY AND LATER INSTANTLY LOAD ALL SETTINGS FROM IT. TO LOAD THE DRUM CONFIGURATION FROM MEMORY, SET THE **DRUM SELECT SWITCH TO DRUM2 POSITION** AND PUSH AND HOLD THE ENCODER FOR 2" UNTIL IT STARTS BLINKING GREEN. MEMORY SLOTS ARE INDICATED BY ONE OF 6 LEDS LIT; ROTATE THE ENCODER TO SELECT THE SLOT AND PUSH IT PROMPTLY.

TO SAVE THE DRUM CONFIGURATION, SET THE DRUM SELECT SWITCH TO DRUM2 POSITION AND PUSH AND HOLD THE ENCODER FOR 2" UNTIL IT STARTS BLINKING GREEN. THEN ROTATE THE ENCODER UNTIL IT STARTS BLINKING RED (BY ROTATING THE ENCODER YOU WILL NEED TO SKIP LOAD SLOTS, WHEN ENCODER BLINKS GREEN). MEMORY SLOTS ARE INDICATED BY ONE OF 6 LEDS LIT; ROTATE THE ENCODER TO SELECT THE SAVE SLOT AND PUSH IT PROMPTLY.

PICO PROGRAMMER

TO UPLOAD YOUR OWN SAMPLES, YOU NEED TO INSTALL GOOGLE CHROME PLUGIN.

GO [HTTPS://CHROME.GOOGLE.COM/WEBSTORE/CATEGORY/APPS](https://chrome.google.com/webstore/category/apps), AND SEARCH FOR PICO DRUMS PLUGIN! WHEN IT'S INSTALLED YOU ARE READY TO GO!

- 1) PREPARE YOUR DRUM SAMPLES! THE SAMPLES NEED TO BE MONO, 44,1KHZ SAMPLE RATE, 16 BIT RESOLUTION.
- 2) ACTIVATE PICO DRUMS PLUGIN!
- 3) BROWSE SAMPLES AND OPEN THEM IN THE PLUGIN INTERFACE!
- 4) CONNECT A PROGRAMMER TO THE PICO DRUMS MODULE AS SHOWN ON THE PICTURE! PICO DRUMS SHOULD BE CONNECTED TO EURORACK PSU AND POWERED ON. NOTHING WILL GO WRONG, IF YOU CONNECT IT REVERSE, BUT YOU WILL NOT BE ABLE TO UPLOAD SAMPLES.



- 5) THE MODULE WILL ADVANCE TO SAMPLE RECEIVE MODE AUTOMATICALLY. HIT UPLOAD BUTTON, AND SAMPLES WILL BE UPLOADED TO PICO DRUMS MEMORY IN THE SAME ORDER, AS THEY ARE IN BROWSE WINDOW. PROGRESS BAR WILL SHOW THE UPLOAD STATUS. PREVIOUS SAMPLES WILL BE AUTOMATICALLY ERASED FROM PICO DRUMS MEMORY.
- 6) NOW YOU CAN DISCONNECT A PROGRAMMER AND YOUR CUSTOM PICO DRUMS ARE READY TO USE! ENJOY!

PLEASE FOLLOW THE INSTRUCTIONS FOR USE OF THE ERICA SYNTHS MODULE BELOW, 'CAUSE ONLY THIS WILL GUARANTEE PROPER OPERATION OF THE MODULE AND ENSURE WARRANTY FROM ERICA SYNTHS.

SAFETY INSTRUCTIONS



WATER IS LETHAL FOR MOST OF THE ELECTRIC DEVICES, UNLESS THEY ARE MADE WATERPROOF. THIS ERICA SYNTHS MODULE 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 MODULE 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 MODULE HAS TO BE SHIPPED IN THE ORIGINAL PACKAGING ONLY. ANY MODULE 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.



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.



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YOU WILL FIND ERICA SYNTHS TERMS OF WARRANTY AT 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

USER MANUAL BY GIRTS OZOLINS@ERICA SYNTHS
DESIGN BY INETA BRIEDE@CARRE BRANDING

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