erica synths

pico

DRUM2

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?
YES, WE CAN.

ERICA PICO DRUM 2 IS COMPACT YET VERSATILE PERCUSSION SYNTHESIZER.
IT FEATURES 8 DISTINCT DRUM SYNTHESIS ALGORITHMS! EACH ALGORITHM HAS
3 ADJUSTABLE PARAMETERS (THE THIRD TYPICALLY IS DECAY), ALL OF THEM CAN
BE MAPPED TO CV.

FEATURES

8 PERCUSSION ALGORITHMS
3 PARAMETERS PER ALGORITHM
1V/OCT TUNING
CV CONTROL OVER ALL PARAMETERS
CV CONTROLLED ALGORITHM SWITCHING
INPUT PROTECTION AGAINST OVERVOLTAGE
PROTECTION AGAINST REVERSE PSU CONNECTION

TECHNICAL SPECS

OUTPUT LEVEL	10VPTP
CV LEVEL (FULL SPAN)	-5V - +5V
POWER CONSUMPTION	+28MA, -5MA
MODULE WIDTH	3HP
MODULE DEPTH	35MM

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USE THIS KNOB TO CONTROL THE FIRST PARAMETER OF THE ALGORITHM! REFER TO THE TABLE BELOW FOR FEATURE ASSIGNED TO EACH ALGORITHM! FOR MOST ALGORITHMS IT CONTROLS THE PITCH OF THE SOUND. AT FAR CLOCKWISE SETTINGS THE MODULE STARTS TO GENERATE UNEXPECTED SONIC ARTIFACTS - WE PURPOSELY LET IT WORK LIKE THAT IN ORDER TO ENCOURAGE CREATIVITY IN SOUND DESIGN

PARAM1

USE THIS KNOB TO CONTROL THE SECOND PARAMETER OF THE ALGORITHM! REFER TO THE TABLE BELOW FOR FEATURE ASSIGNED TO EACH ALGORITHM

PARAM2

THIS KNOB SETS THE VCA ENVELOPE DECAY TIME. IN FULL CLOCKWISE SETTING THE VCA IS FULLY OPEN, AND YOU CAN USE THE MODULE AS THE REGULAR SOUND SOURCE.

DECAY

MODE

THE RGB LED INDICATES CURRENTLY SELECTED SOUND GENERATION ALGORITHM. REFER TO THE TABLE OF ALGORITHMS AND PARAMETER CONTROLS BELOW! ALSO THE LED BLINKS WITH THE INCOMING TRIGGER

CV1 IS THE ASSIGNABLE CV INPUT. THE INCOMING CV IS ADDED TO THE KNOB SETTING

PUSH THE MODE BUTTON PROMPTLY TO SWITCH AMONG 8 ALGORITHMS. PUSH AND HOLD THE BUTTON FOR 2" TO ENTER CONFIGURATION MODE! LED WILL START TO BLINK. IN CONFIGURATION MODE YOU CAN ASSIGN CV1 INPUT TO ONE OF THE PARAMETERS. TO DO SO, PUSH THE BUTTON REPEATEDLY – BLINKING RED LED MEANS, THE CV IS ASSIGNED TO THE PARAM2 KNOB, GREEN – TO DECAY, BLUE – TO ALGORITHM SELECTION WITH CV. TO EXIT THE CONFIGURATION MODE, PUSH AND HOLD A BUTTON FOR 2". THE LED WILL STOP BLINKING

CV 1

CV2 IS ASSIGNED TO THE PARAMETER1. THE INCOMING CV IS ADDED TO THE KNOB PARAM1 KNOB SETTING. THIS INPUT ALSO TRACKS 1V/OCT FOR SOME OF THE ALGORITHMS

CV 2

THIS IS THE TRIGGER INPUT. IT ACCEPTS +5V 1 MS TRIGGER

TRIGG

THIS IS THE AUDIO OUTPUT OF THE MODULE

OUT

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DRUM2

ALGORITHM	PARAM 1	PARAM 2	DECAY	DESCRIPTION
🟡 PULSE DRUM	OSC TUNE	FM DECAY	AMP DECAY	PULSE WAVE OSCILLATOR FREQUENCY MODULATED WITH A DECAY ENVELOPE.
🔴 FOLD DRUM 1	OSC TUNE	FOLD AMOUNT/ FM DECAY	AMP DECAY	SINE WAVE OSCILLATOR PARALLELY MIXED TOGETHER WITH SAME OSCILLATOR SENT THROUGH A WAVEFOLDER. PARAM 2 CONTROLS THE WAVEFOLD AND PITCH DECAY AT THE SAME TIME.
🟠 COMPLEX PULSE DRUM	OSC 1 TUNE	MOD OSC 2 TUNE	AMP DECAY	PULSE WAVE OSCILLATOR MODULATED WITH A SINE WAVE OSCILLATOR. DECAY ENVELOPE TIME IS FIXED.
🟢 COMPLEX SINE DRUM	OSC 1 TUNE	MOD OSC 2 TUNE	AMP DECAY	SINE WAVE OSCILLATOR MODULATED WITH A SINE WAVE OSCILLATOR. DECAY ENVELOPE TIME IS FIXED.
🟢 SPACE SNARE	OSC TUNE	NOISE FILTER	AMP DECAY	SINE WAVE OSCILLATOR AND WHITE NOISE SOURCE GOING THROUGH A HI PASS FILTER.
🔵 NOISE CRUSH	LP FILTER	BITCRUSH	AMP DECAY	WHITE NOISE FED THROUGH LOW-PASS AND HI-PASS FILTERS AND A BITCRUSHER.
🟣 FOLD DRUM 2	OSC TUNE	FOLD AMOUNT	PITCH EG AMOUNT	SINE WAVE OSCILLATOR PARALLELY MIXED TOGETHER WITH SAME OSCILLATOR SENT THROUGH A WAVEFOLDER WITH SOME EXTRA NOISE ON THE ATTACK TRANSIENT. PARAM 2 CONTROLS THE WAVEFOLD AMOUNT, DECAY CONTROLS THE PITCH ENVELOPE DECAY.
🟣 SLAP	FILTER	DRIVE	AMP DECAY	STACK OF NOISE SOURCES WITH RESONANT FILTERS EMULATING A CLAP SOUND WITH AN EXTRA OVERDRIVE ON TOP.

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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