



erica synths

pico

VCA2

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.

THE ERICA SYNTHS **PICO VCA2** IS COMPACT VOLTAGE CONTROLLED AMPLIFIER MODULE, BASED ON RELIABLE AS3330 CHIP. IT FEATURES TWO INDEPENDENT CHANNELS, AND THE FIRST ONE COMES WITH THE MANUAL OFFSET ADJUSTMENT, USEFUL FOR FULL SPAN VIBRATO EFFECTS. AUDIO AND CV INPUTS OF THE FIRST VCA ARE NORMALLED TO THE SECOND ONE, SO THE MODULE CAN ALSO BE USED AS A BUFFERED AUDIO SPLITTER. VCAS ARE DC COUPLED, AND THEY CAN BE USED FOR CONTROLLING AMPLITUDE OF CONTROL VOLTAGE SIGNALS.

FEATURES

TWO INDEPENDENT VCAS WITH A LINEAR RESPONSE
MANUAL BIAS ADJUSTMENT ON THE TOP VCA
INPUT NORMALLING
DC COUPLING
INPUT PROTECTION AGAINST OVERVOLTAGE
PROTECTION AGAINST REVERSE PSU CONNECTION

TECHNICAL SPECS

NOMINAL AUDIO SIGNAL LEVEL	10VPTP
CV LEVEL (FULL SPAN)	-5V - +5V
MAX ATTENUATION	-110DB
POWER CONSUMPTION	+20MA, -19MA
MODULE WIDTH	3HP
MODULE DEPTH	35MM

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VCA2

THIS IS THE AUDIO INPUT OF THE FIRST VCA. IT'S DC COUPLED, SO, IT ALSO WILL WORK FOR CONTROLLING AN AMPLITUDE OF THE CONTROL VOLTAGES (LFOS, FOR EXAMPLE)



IN1



BIAS



CV1



OUT1



IN2



CV2



OUT2



ADJUST THE VCA BIAS MANUALLY, MEANING— YOU CAN OFFSET THE CV IN ORDER TO HAVE DESIRED AMPLITUDE MODULATION RANGE ON THE OUTPUT. FOR EXAMPLE, FOR A TREMOLO EFFECT, YOU DO NOT WANT THE VCA CLOSE COMPLETELY AT NEGATIVE CVS FROM THE LFO, THEREFORE USING THE BIAS CONTROL, YOU CAN OFFSET THE CV1 SO THAT IT'S IN 0-+10V RANGE, INSTEAD OF -5V - +5V

THIS IS THE CV INPUT OF THE FIRST VCA, IT HAS LINEAR RESPONSE

THIS IS THE OUTPUT OF THE FIRST VCA

THIS IS THE INPUT OF THE SECOND VCA. IT'S NORMALLED TO THE INPUT OF THE FIRST ONE, SO, IF NOTHING IS PATCHED HERE, THE SIGNAL FROM THE FIRST INPUT WILL BE AUTOMATICALLY APPLIED TO THIS INPUT, AND THE AUDIO OR CV GETS SPLIT INTO TWO CHANNELS

THIS IS THE CV INPUT OF THE SECOND VCA. IT'S NORMALLED TO THE CV1 INPUT

THIS IS THE OUTPUT OF THE SECOND VCA

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 THE ERICA SYNTHS TERMS OF WARRANTY AT WWW.ERICASYNTHS.LV
ITEMS FOR RETURN, EXCHANGE AND/OR WARRANTY REPAIR SHOULD BE SENT US ACCORDING
TO THE GUIDELINES ON SUPPORT SECTION ON WWW.ERICASYNTHS.LV

USER MANUAL BY GIRTS OZOLINS@ERICA SYNTHS

DESIGN BY INETA BRIEDE@BLACK8

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SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. IN CASE OF ANY QUESTIONS,
FEEL FREE TO CONTACT US THROUGH WWW.ERICASYNTHS.LV.

Erica Synths
Andrejostas St. 43
Riga
Latvia
LV-1045