



erica synths

pico

MSCALE

## 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 MSCALE** (MOOG SCALE, TO BE SPECIFIC) IS PRECISION SCALER TO ADAPT MOOG MOTHER 32 TO EURORACK STANDARD 1V/OCT CONTROL VOLTAGES. THOSE, WHO OWN MOOG MOTHER 32 KNOW, THAT IT REQUIRES -5V - +5V ON 1V/OCT INPUT TO OPERATE IN FULL RANGE, WHILE THE EURORACK STANDARD IS 0V - +10V. SO, TO CONTROL MOOG MOTHER 32 FROM A EURORACK SEQUENCER YOU NEED TO BIAS A SEQUENCER OUTPUT FOR 5 VOLTS DOWN. AND VICE VERSA – MOOG MOTHER 32 SEQUENCER OUTPUTS -5V - +5V ON 1V/OCT OUTPUT, AND, IF YOU WISH TO CONTROL SOME EURORACK VCO FROM MOOG MOTHER 32, YOU NEED TO BIAS IT 5 VOLTS UP. THIS IS EXACTLY WHAT MSCALE DOES – IT HAS TWO SECTIONS – UPPER ONE ADDS 5V TO THE INPUT VOLTAGE, OTHER SUBTRACTS 5V FORM THE INPUT VOLTAGE. OF COURSE, THE MODULE IS NOT LIMITED FOR USE WITH MOOG MOTHER 32 ONLY. YOU CAN USE IT AS A REGULAR EURORACK PRECISION VOLTAGE SCALER.

### FEATURES

PRECISION SCALER TO ADAPT MOOG MOTHER 32 1V/OCT TO EURORACK STANDARD  
MOOG TO EURORACK SECTION  
EURORACK TO MOOG SECTION  
HIGH PRECISION, HIGH TEMPERATURE STABILITY  
SKIFF FRIENDLY, COMPACT DESIGN

### TECHNICAL SPECS

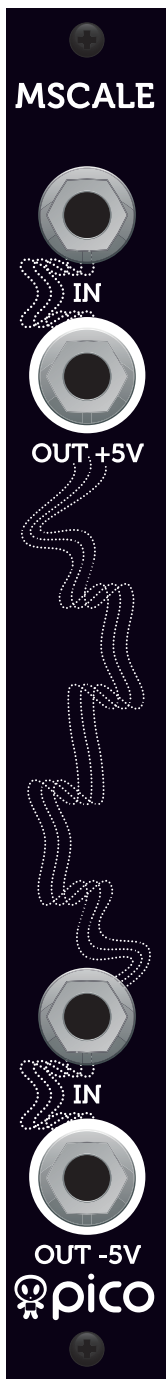
MAX FREQUENCY DRIFT OVER 5 OCTAVES	+/-4 CENTS
POWER CONSUMPTION	+6MA, -6MA
MODULE WIDTH	3HP
MODULE DEPTH	25MM

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THE UPPER SECTION OF THE MODULE CONVERTS THE 1V/OCT OUTPUT OF THE MOOG MOTHER 32 SEQUENCER TO THE EURORACK STANDARD, NAMELY, IT ADDS 5V TO THE OUTPUT VOLTAGE. PATCH THE OUTPUT OF THE MOOG MOTHER 32 SEQUENCER (MARKED KB ON THE MOOG MOTHER) HERE!

THE LOWER SECTION OF THE MODULE CONVERTS THE 1V/OCT OUTPUT OF AN EURORACK SEQUENCER OR CV KEYBOARD TO CONTROL MOOG MOTHER 32, NAMELY, IT SUBTRACTS 5V FROM THE INPUT VOLTAGE. PATCH THE CV OUTPUT OF YOUR EURORACK SEQUENCER OR CV KEYBOARDS HERE!



THIS IS THE OUTPUT OF THE TOP SECTION – PATCH EURORACK VCO 1V/OCT INPUT HERE AND YOU CAN CONTROL THE VCO FROM THE MOOG MOTHER 32 SEQUENCER

THIS IS THE OUTPUT OF THE BOTTOM SECTION – PATCH MOOG MOTHER 32 VCO 1V/OCT INPUT HERE AND YOU CAN CONTROL IT FROM THE REGULAR EURORACK SETUP.

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](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

USER MANUAL BY GIRTS OZOLINS@ERICA SYNTHS  
DESIGN BY EDMUNDS PAVLOVSKIS.

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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](http://WWW.ERICASYNTHS.LV) OR VIA E-MAIL [INFO@ERICASYNTHS.LV](mailto:INFO@ERICASYNTHS.LV).