



erica synths

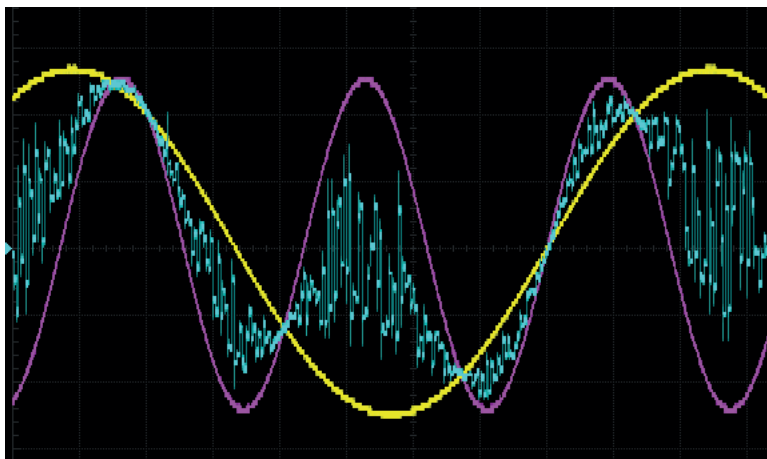
pico

MASK

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 MASK IS ADVANCED RANDOM CVS MODULE THAT **SAMPLES AND HOLDS CVS (BLUE SIGNAL) WITHIN USER DEFINED MASK –** THE AREA BETWEEN TWO INCOMING CVS (YELLOW AND PINK SIGNALS); THIS MEANS THAT YOU HAVE CERTAIN CONTROL OVER RANDOMNESS. PICO MASK CAN PLAY KEY ROLE IN SELF-GENERATING MUSIC, RANDOM PATCHES, WORK AS CV PROCESSOR, WAVESHAPER AND BITCRUSHER – YOUR IMAGINATION IS THE LIMIT!



FEATURES

- USER DEFINED S&H AREA – 2 CV INPUTS
- EXTERNAL S&H TRIGGER
- TWO MANUAL CONTROLS TO DEFINE S&H PARAMETERS
- 2 SELECTABLE CV DISTRIBUTION MODES
- S&H TRIGGER IN AND OUTPUT CV CONTROL LEDS

TECHNICAL SPECS

INCOMING CV AMPLITUDE	-5V - +5V
OUTPUT CV AMPLITUDE	-5V - +5V
POWER CONSUMPTION	+12MA, -6MA
MODULE WIDTH	3HP
MODULE DEPTH	35MM

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MASK

THIS KNOB DEFINES MIDDLE POINT OF THE MASK – IF IT'S ON 12 O'CLOCK THEN THE CENTRE OF OUTPUT S&H CVS IS EXACTLY THE MATHEMATICAL DIFFERENCE BETWEEN INCOMING CV SIGNALS – THE MIDDLE POINT BETWEEN BOTH CV CURVES. IF IT'S FULL CW, THE MIDDLE POINT IS TOP BORDER OF THE MASK, IF IT'S CCW, THE MIDDLE POINT IS BOTTOM BORDER OF THE MASK

SWITCH BETWEEN NORMAL AND INVERTED S&H CV DISTRIBUTION!
INVERTED MODE MEANS THAT S&H CV ARE PICKED OPPOSITE TO WIDTH SETTING, MEANING, IF YOU HAVE WIDTH KNOB FULLY CCW THEN IN THE NORM SETTING YOU HAVE OUTPUT CV THAT IS SINGLE LINE, A DIFFERENCE BETWEEN INCOMING CVS, BUT WITH THE SWITCH IN INV SETTING, YOU GET CVS ON THE EDGES OF THE MASK

THESE ARE CV INPUTS.
BOTH CVS
DEFINE THE MASK –
AN AREA IN WHICH S&H
TAKES PLACE

THIS IS S&H TRIGGER INPUT

THIS IS MASK CV OUTPUT

PLEASE, REFER TO THE EXAMPLES OF
DIFFERENT CONTROL SETTINGS AND
RESULTING OUTPUT CVS BELOW!

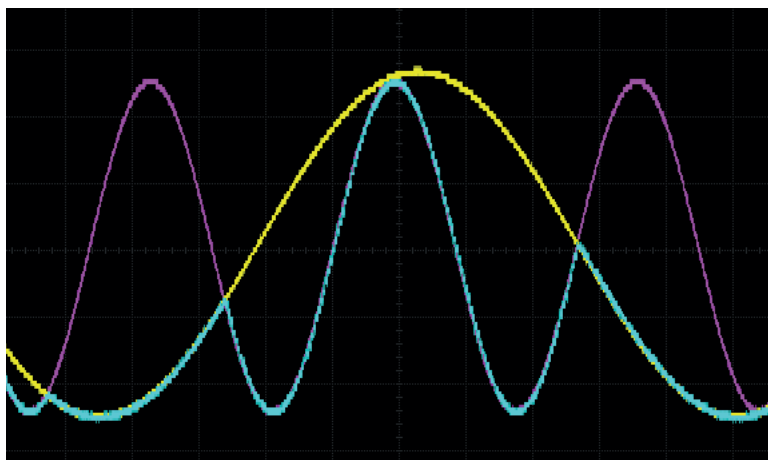


THIS KNOB SELECTS THE RANGE OF OUTPUT S&H CVS. IF IT'S FULLY CCW, THE RANGE IS 0, MEANING, WITH THE MIDDLE KNOB SET TO 12 O'CLOCK, YOU WILL GET OUTPUT CV THAT IS EXACT DIFFERENCE BETWEEN BOTH INCOMING CVS (SEE PICTURE NR2), WITH WIDTH KNOB FULLY CW YOU WILL GET S&H CV DISTRIBUTED OVER ENTIRE MASK AREA.

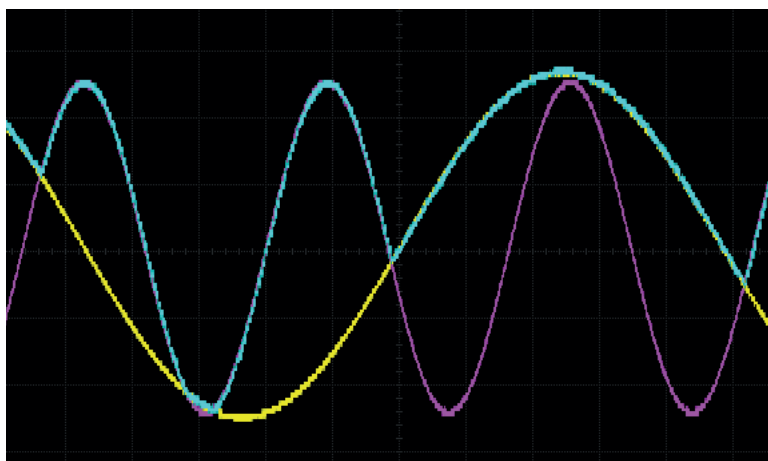
SWITCH BETWEEN NORMAL S&H MODE – SAMPLE AND HOLD CVS ARE PICKED EQUALLY WITHIN THE MASK OR DISTRIBUTED MODE – S&H CVS ARE PICKED 75% AROUND MIDDLE POINT OF THE MASK (DEPENDING ON THE MIDDLE KNOB SETTING) AND 25% - CLOSER TO EDGES

THIS LED INDICATES INCOMING TRIGGER SIGNAL

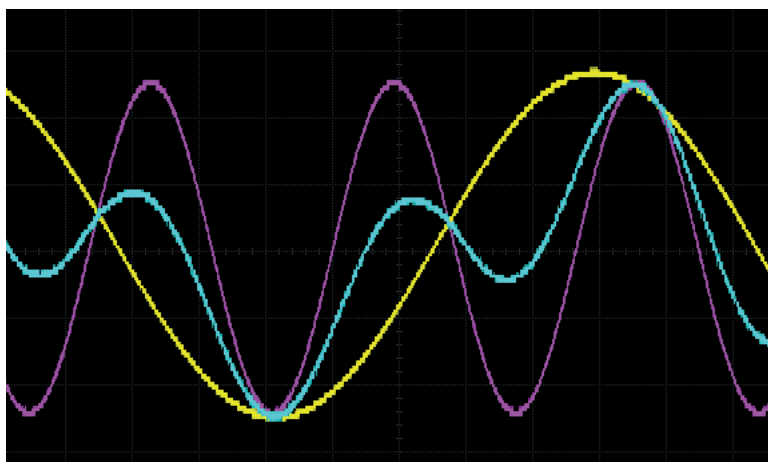
THIS LED GIVES VISUAL FEEDBACK ON OUTPUT CV STATUS



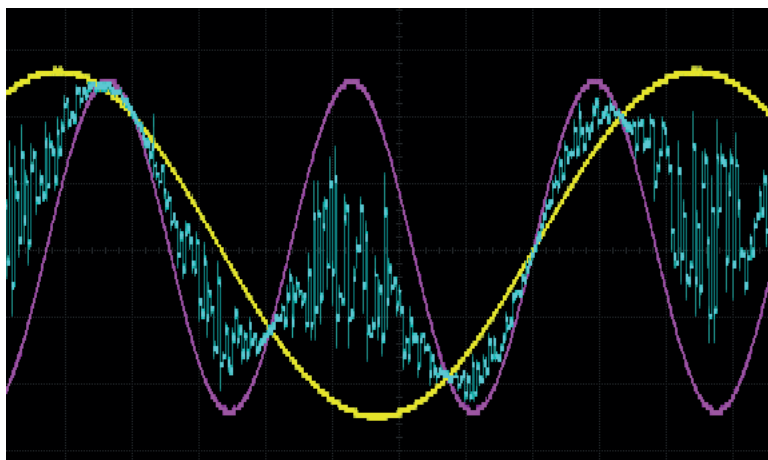
NORM, NORM, MIDDLE – CCW, WIDTH - CCW



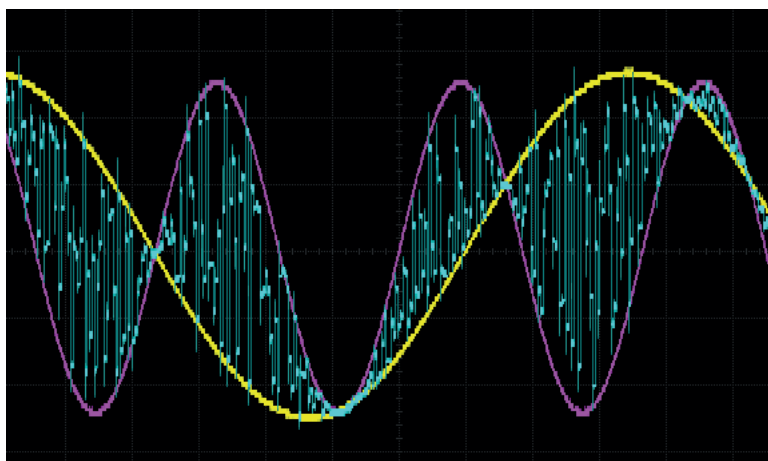
NORM, NORM, MIDDLE – CW, WIDTH - CCW



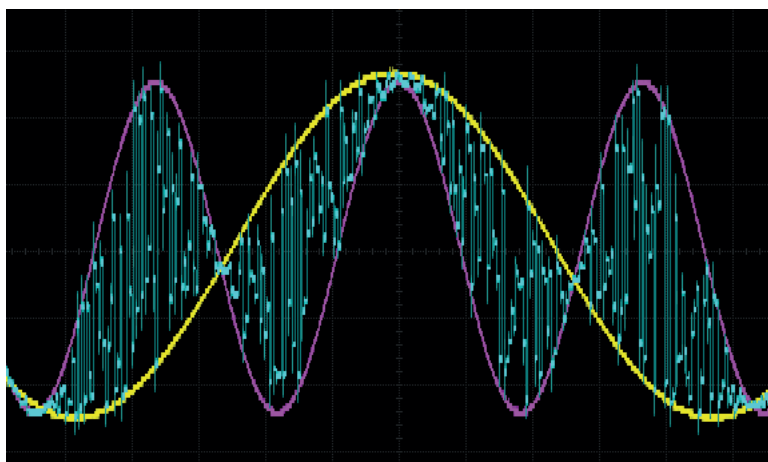
NORM, NORM, MIDDLE – MID, WIDTH - CCW



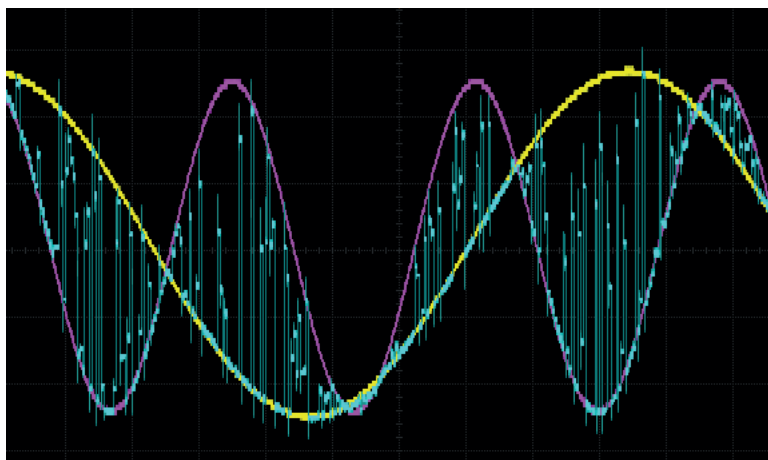
NORM, NORM, MIDDLE – MID, WIDTH - MID



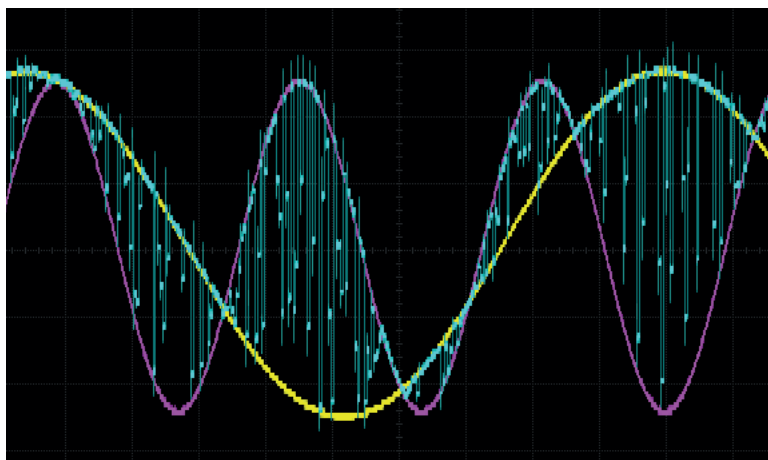
NORM, NORM, MIDDLE – MID, WIDTH - CW



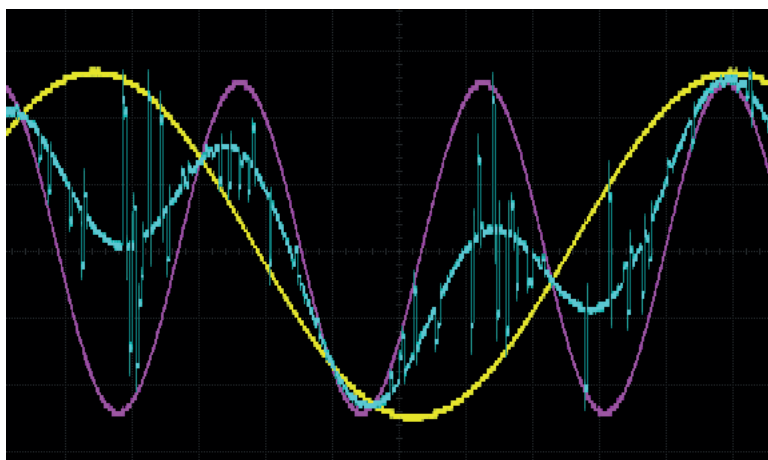
INV, NORM, MIDDLE – MID, WIDTH - CW



INV, NORM, MIDDLE – CCW, WIDTH - CCW



INV, NORM, MIDDLE – CW, WIDTH - CCW



NORM, DISTR, MIDDLE – MID, WIDTH - CCW

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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