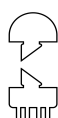


OVERVIEW

Knif Sora is a versatile push-pull tube saturation and distortion device intended for audio mastering and mixing applications. It is equipped with MS encoding and decoding, two sets of different interstage transformers, and a wide variety of precision adjustments for ultimate versatility. The character of the unit is created solely by the SQ Phillips NOS pentode tubes and the Lundahl interstage transformers. The rest of the circuit utilizes the best available JFET input IC operational amplifiers for absolute transparency. One of the key features of Sora is the opportunity to select the frequency range to be processed using the X-over filters while retaining a flat frequency response. Sora also features a parallel processing capability and an unprecedented ability to tailor the distortion spectra.

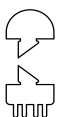


TECHNICAL SPECIFICATIONS

INPUT		
Impedance		20 kΩ
Maximum Level		+26 dBu
Connectors		XLR female, Neutrik, 3-pin, gold-plated
OUTPUT		
Impedance		100 Ω
Maximum Level		+26 dBu
Connectors		XLR male, Neutrik, 3-pin, gold-plated
GAIN RANGE		
Input Gain	<i>Distortion Path</i>	-0.5 dB ... +30.5 dB
Output Attenuation		-30.5 dB ... +0.5 dB
PERFORMANCE		
Frequency Response	<i>-1 dB, Without Filter, Ref. 1 kHz</i>	10 Hz ... 50 kHz
Phase Response, Distortion Path	<i>0 dB Feedback</i>	-10° ... +21°
	<i>10 dB Feedback</i>	-1° ... +13°
Third Harmonic Distortion at Unity, Symmetry at 50/50, +18 dBu	<i>0 dB Feedback</i>	0.4%
	<i>5 dB Feedback</i>	0.3%
	<i>10 dB Feedback</i>	0.2%
Second Harmonic Distortion Adjustment Range	<i>Unity Gain, +18 dBu</i>	0.1% ... 10%
Noise Level	<i>A-weighting, unity gain</i>	-85 dBu
	<i>A-weighting, typical usage</i>	≤ -90 dBu
Crosstalk	<i>1 kHz</i>	-95dB
	<i>10 kHz</i>	-75dB
MAINS		
Mains Voltage		115 / 230 VAC, selectable
Mains Frequency		50 / 60 Hz
Power Consumption		54 W
Connector		IEC, C13
GENERAL		
Dimensions	<i>w × l × h</i>	430 × 352 × 88 mm (2U)
Weight		10.2 kg
CONTENT		
Sora Saturation Device		1 pcs
Spare tubes		1 set

WARRANTY

2 years, for terms and conditions refer to the manual or www.knifaudio.com



EU Declaration of Conformity

Knif Audio Oy
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00580 HELSINKI
FINLAND
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declares under the sole responsibility that the product:

Product name	Product type	Product usage
Knif Audio Sora	Audio frequency saturator&distorter	Audio mixing and mastering studios

is in conformity with the provisions of the following relevant harmonized legislations of the European Union

Low Voltage Directive 2014/35/EU
EMC Directive 2014/30/EU

Applied standards:

EN IEC 62368-1	Product Safety Compliance
EN IEC 61000-6-3:2021	Electromagnetic compatibility
RoHS directive 2011/65/EU	Restriction of usage of hazardous substances

Helsinki, October 24th 2023

Jonte Knif, CEO

