



WARNA

VOLTAGE DISTRIBUTOR II

Model of 1983

- *Two independent 1:4 buffered multiples*
- *Two voltage inverters*
- *Summing 4:1 mixer section normalled to multiples*
- *Unity gain circuit*



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MODULE OVERVIEW

Salut! Thank you for purchasing this Xaac Devices product. *Warna II* [*'varna*] is a carefully tweaked and much improved second iteration of our *Warna* utility module.

It comes in handy for multhing and mixing CV as well as audio. It can be used for precise voltage distribution around the Eurorack system, flipping the polarity, mixing control voltage and audio.

INSTALLATION

The module requires 6hp worth of free space in the eurorack cabinet. The ribbon type power cable must be plugged into the bus board, paying close attention to polarity orientation.

The red stripe indicates the negative 12V rail and

is supposed to match the arrow head, **-12V**, or red stripe marks on both the unit and the bus board. The module itself is secured against reversed power connection, however, reversing the 16-pin header **MAY CAUSE SERIOUS DAMAGE** to other components of your system, because it will short-circuit the +12V and +5V power rails.

The module should be fastened by mounting the supplied screws before powering up. To better understand the device, we strongly advise reading through the entire manual before using the module.

MODULE OVERVIEW

Warna II sports five sections: two buffered **MULTS** ①, two inverters ② and a unity gain **MIXER** ③. Each multiple routes the input ④ signal to four separate outputs ⑤ without any voltage loss. *Warna II* is designed for unity gain, i.e. if one applies a voltage to any input, it remains the same at the respective outputs.

Inverters are hardwired to mults and invert the polarity of the input signal. The two-color LEDs ⑥ indicate the status of the signal present at the outputs—green for negative and red for positive voltage.

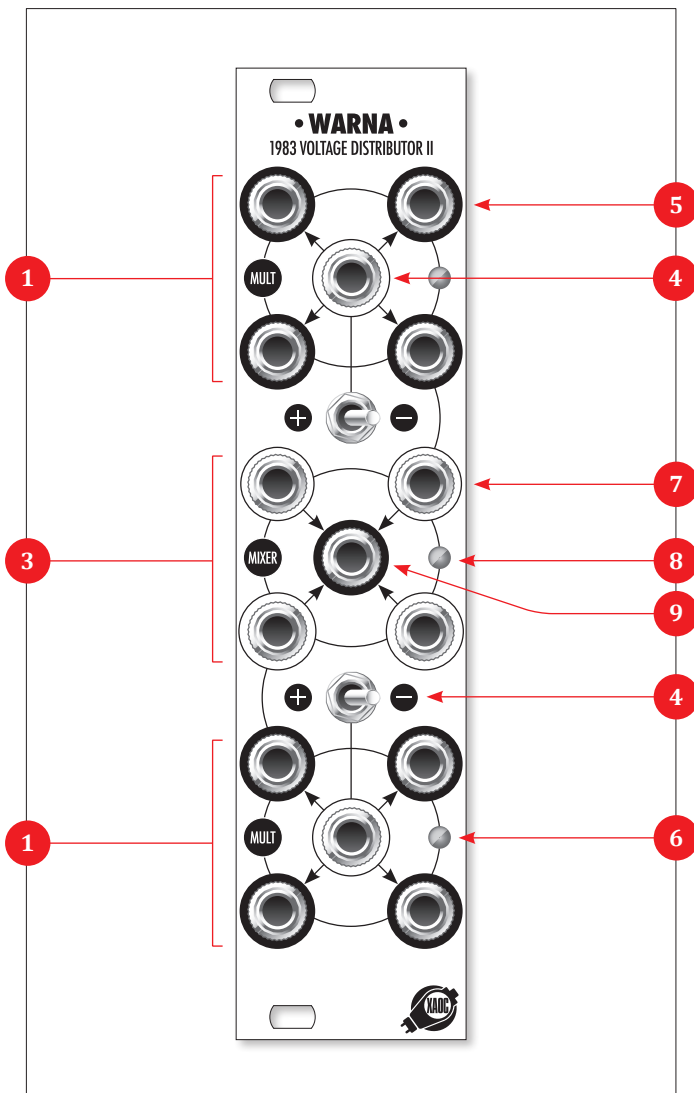
Both multiples are normalled to the middle **MIXER** section. Patching anything into the mixer input ⑦ connected to the multiple output breaks the normalization (indicated by a curved line that connects the **MULT** and **MIXER** sections).

The mixer LED ⑧ indicates the polarity of the mixer sum output ⑨. If mixing several signals of high amplitude causes overdrive, consider attenuating the signals.

ACCESSORY

Our Coal Mine black panels are available for all Xaac Devices modules. Sold separately. Ask your favorite retailer. •

fig. 1: WARNA II FRONT PANEL LAYOUT AND CONTROLS



TECHNICAL SPECIFICATION

WIDTH	DEPTH TOTAL	CURRENT DRAW	REV. POWER PROTECT.
6hp	30mm	+50mA ----- -50mA	protected

INPUTS		OUTPUTS	
MULT INPUTS	-10V to +10V	MULT OUTPUTS	-10V to +10V
MIX INPUTS	-10V to +10V	MIX OUTPUTS	-10V to +10V
Input impedance: 4.7 MOhm		Output impedance: 0	

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