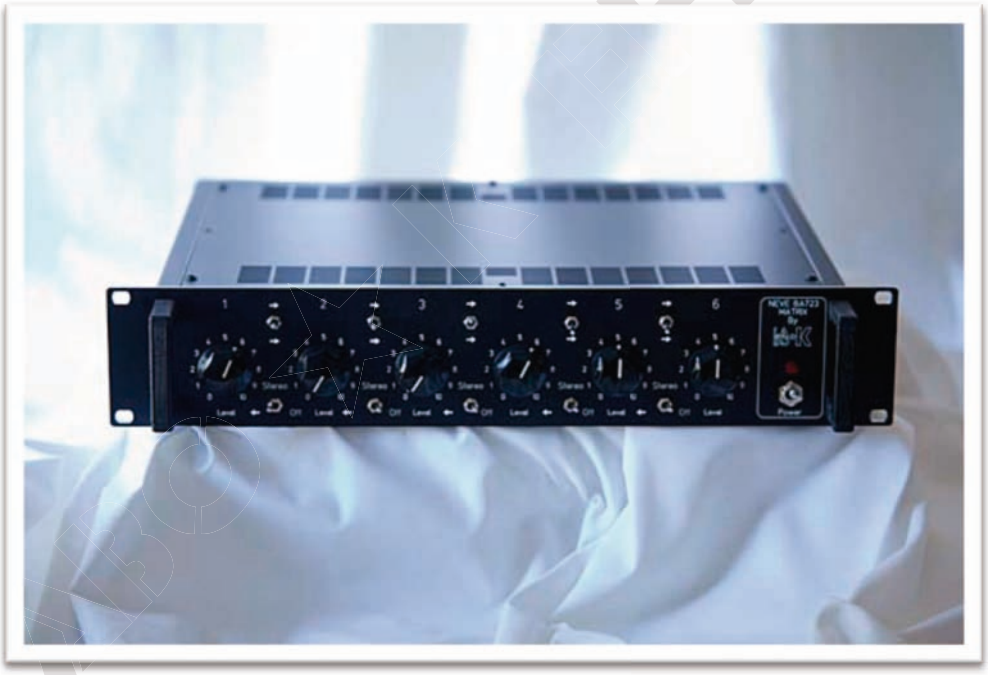
LABO ★ K EFFECTS

NEVE BA723 MATRIX



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KEY FEATURES

- 6 Neve balanced output stages rack set byLabo ⋆ K Effects.
- Line Inputs unbalanced on combo XLR / Jack.
- Transformer balanced outputs on XLR.
- Gain adjustable +14 dB per channel.
- 220V AC power supply.
- Dimensions in mm : 483x350x88 (Rack 19 x 2U).
- Weight: 6.9 Kg.

This device must be plugged into a grounded outlet.

OVERVIEW

This device contains a Neve BA723 board used in the outputs of the NEVE 81 series mixers.

This card features 6 transformer balanced output stages (the famous oranges transformers) drived by push-pull and can provide your various devices and preamps the Neve sound quality.

6 channels with 14dB adjustable gain (+26dB max).
This stages can get the Neve sound of the 80's.
Allows to add to your various devices and preamps a sound of quality and a high heat.
The BA723 MATRIX can symmetrize 6 channels and combine them in different ways.

Features:

- 6 channel adjustable gain of 14dB (26dB max).
- Possibility of controling several channels by a single potentiometer.
- Possibility of direct input to several outputs.
- Many possible combinations.
- Unbalanced inputs on combo XLR/Jack.
- Transformer balanced outputs.
- XLR output connectors.
- 220V AC power supply.

An internal quality power supply provides the necessary voltages for the operation of the assembly. The AC input 220V transformer R-Core is protected by a fuse accessible from the outside.

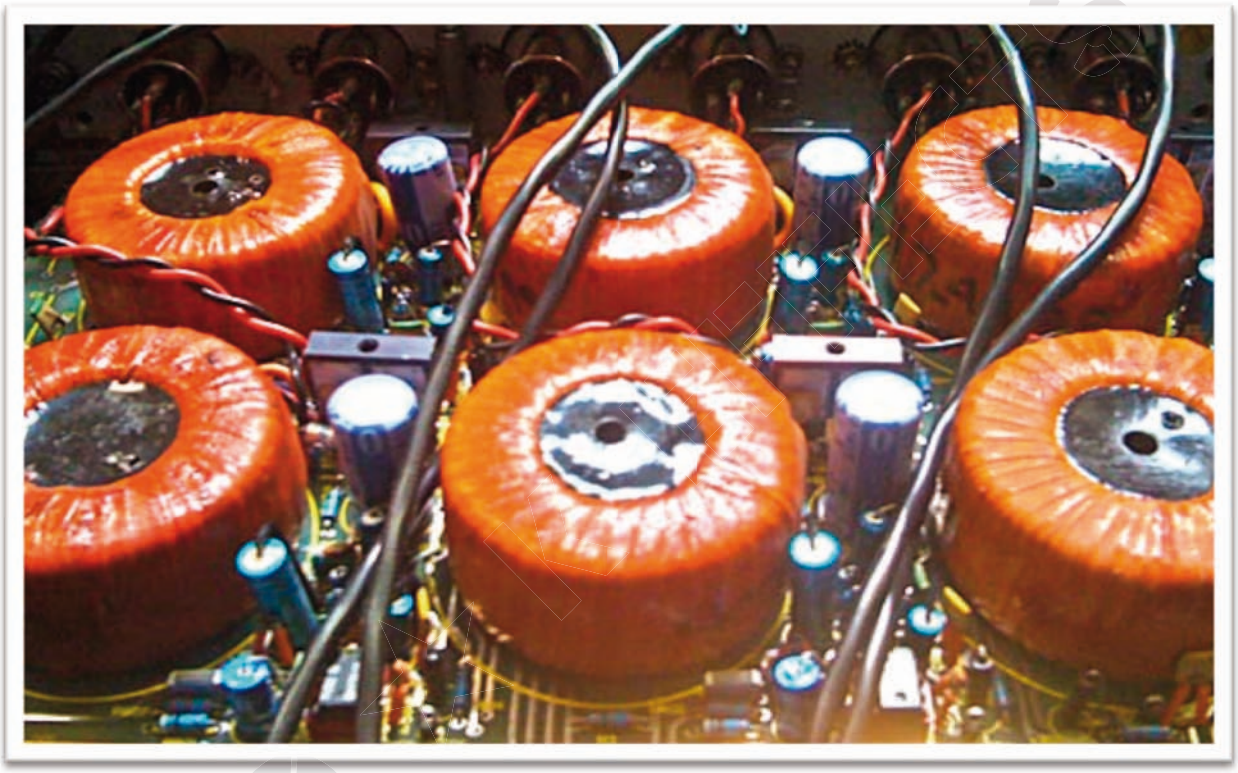
Modules have been recapped.

The pin assignment is as follows:

XLR In	Pin	XLR Out	Pin
Hi	2	Hi	Hi
Gnd	3	Lo	Lo
Gnd	1	Gnd	Gnd

NEVE BA723 BOARD

Neve BA723 card was used to amplify and symmetrize the outputs of NEVE 81 series consoles in the 80s.
The gain of each channel is 14 dB.
Each amplifier designed around a push-pull stage delivers 10 dB and drive a transformer type VT22499 which adds +4 dB.
The maximum output of each amplifier is 26 dB below a minimum load of 50 Ohms.

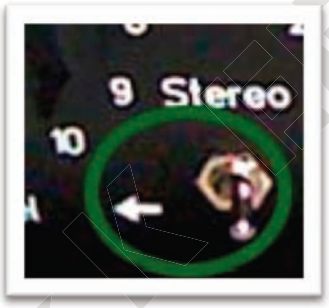


Focus on the VT22499 output transformers.

USING OF THE 6 MONO CHANNELS

Each of the six inputs is routed to one transformer balanced output stage.
The output level of each channel is controlled by a potentiometer and can have a gain of 14dB.

USING OF THE STEREO COMMAND



Stereo command allows to control the output level of two adjacent channels via one single potentiometer.

Examples of configurations:

Stereo inputs 1 and 2 - Level controlled by potentiometer 1.
Stereo inputs 3 and 4 - Level controlled by potentiometer 3.
Mono input 5 - Level controlled by potentiometer 5.
Mono input 6 - Level controlled by potentiometer 6.

Mono input 1 - Level controlled by potentiometer 1.
Stereo inputs 2 et 3 - Level controlled by potentiometer 2.
Stereo inputs 4 et 5 - Level controlled by potentiometer 4.
Mono input 6 - Level controlled by potentiometer 6.

All combinations of adjacent pairs and isolated channels are possible.
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USING OF THE LINK UP COMMAND

Link up command allows to direct one source to multiple outputs and control their level via one single potentiometer.

Examples of configurations:

Input 1 to outputs 1 +2 - Level controlled by the potentiometer 1.
Input 3 to outputs 3 +4 - Level controlled by the potentiometer 3.
Input 5 to outputs 5 +6 - Level 5 controlled by the potentiometer 5.

Input 1 to outputs 1 +2 +3 - Level controlled by the potentiometer 1.
Input 4 to outputs 4 +5 +6 - Level controlled by potentiometer 4.

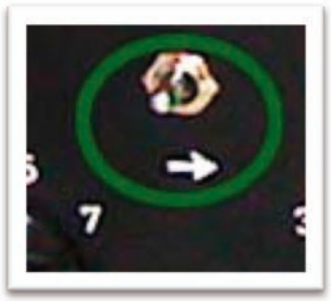
Input 1 to outputs 1 +2 +3 +4 - Level controlled by the potentiometer 1.
Input 5 to outputs 5 +6 - Level controlled by the potentiometer 5.

Input 1 to outputs 1 +2 +3 +4 +5 - Level controlled by the potentiometer 1.
Input 6 to output 6 - Level controlled by the potentiometer 6.

Input 1 to outputs 1 +2 +3 +4 +5 +6 - Level controlled by the potentiometer 1.

All combinations of adjacent pairs and isolated channels are possible.

USING OF THE LINK DOWN COMMAND



Link down command allows to direct one source to multiple outputs and control the level of each output via its own pot.

Examples of configurations:

Input 1 to outputs 1 +2 - Level controlled by the potentiometers 1and 2.
Input 3 to outputs 3 +4 - Level controlled by the potentiometers 3 and 4.
Input 5 to outputs 5 +6 - Level 5 controlled by the potentiometers 5 and 6.

Input 1 to outputs 1 +2 +3 - Level controlled by the potentiometers 1, 2,3.
Input 4 to outputs 4 +5 +6 - Level controlled by potentiometers 4, 5,6.

Input 1 to outputs 1 +2 +3 +4 - Level controlled by the potentiometers 1, 2, 3,4.
Input 5 to outputs 5 +6 - Level controlled by the potentiometers 5 et 6.

Input 1 to outputs 1 +2 +3 +4 +5 - Level controlled by the potentiometers1, 2, 3, 4,5.
Input 6 to output 6 - Level controlled by the potentiometer 6.

Input 1 to outputs 1 +2 +3 +4 +5 +6 - Level controlled by the potentiometers1, 2, 3, 4, 5,6.

All combinations of adjacent pairs and isolated channels are possible.

USING OF MULTIPLE COMBINATIONS

It is of course possible to combine the uses.

For example:

Mono input 1 to output 1 Level controlled by the potentiometer 1.
Stereo inputs 2 and 3 to ouputs 2 and 3 Level controlled by potentiometer 2..
Input 4 to output 4 +5 Level controlled by potentiometer 4.
Mono input 6 to output 6 Level controlled by the potentiometer 6.

All combinations of adjacent pairs and isolated channels are possible.

Remember !
The modules in this rack are vintage pieces.
They are over 30 years old.
Moisture, heat and smoke are the enemies of this unit.