

VINTAGE 80 SERIES MIX BUSS

STEREO BUSS PROCESSOR – RACK VERSION



OPERATOR'S MANUAL

Version 1.0

KAHAYAN[®]
P R O A U D I O

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INTRODUCTION

The **Vintage 80 series Mix Buss** is a **stereo** processor that allows to insert in your mixbus setup the summing bus circuit of the classic 80 series consoles. The music of the '60s and '70s was characterized by a sound that was warm, fat, and rich, with a breathtakingly detailed midrange, now thanks to this unit you can add to your mix all this harmonic structure and colored sound.

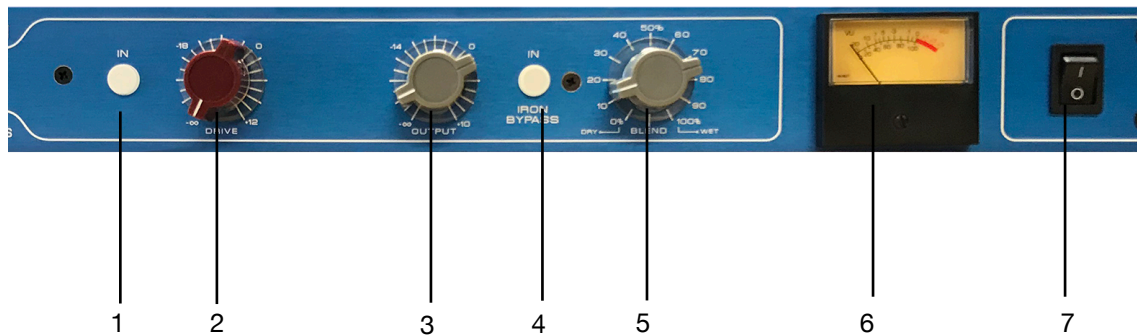
The **Vintage 80 series Mix Buss** is designed to be used mostly as an insert on the mix bus, but can also be used to enhance instrument group busses. We suggest to insert it before you start mixing and then mix through it. This helps you tailor the mix and get the best sound.

All the components used in manufacturing come essentially from the same manufacturers that supplied the ones used originally, reproducing and expanding the benefits of these.

It is important to mention that we recommend find the right "**sweet spot**", we mean, as you increase the input drive control, the signal will get a saturation level but if you increase it considerably, the saturation may become in distortion. That's why we recommend looking for an optimal adjustment of the **gain structure**, as in any console or analog mixing system. Or use it as an 'effect' that could be mixed in the amount you need thanks to the Bled control.

For more information please visit: www.kahayan.es

SETUP AND BASIC ASPECTS



1. BYPASS SWITCH of the Mix buss processor. When the Led is on, the unit is active.

2.DRIVE controls harmonic distortion: It sounds like aggressively hitting a console mix buss. High settings increase grit and drive. Lower settings tend to open up the dynamics. Begin with extreme settings so that you can really hear the effect: "distorsion".

3. OUTPUT fader to compensate the output level as you adjust the drive control.

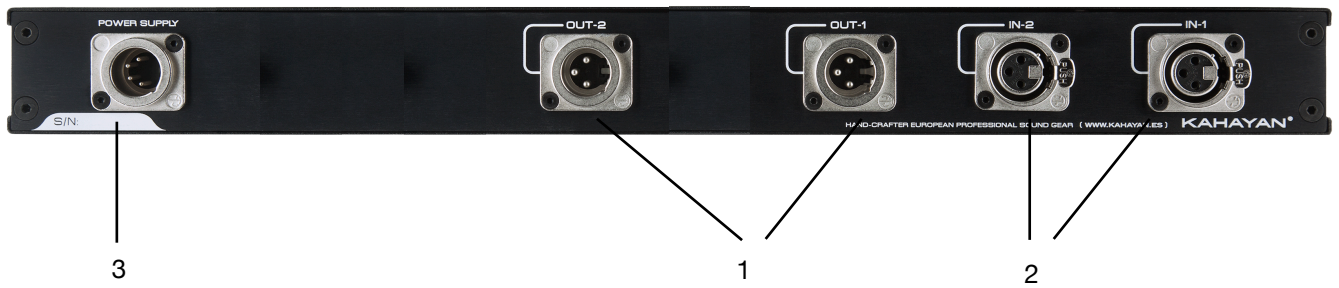
4. IRON BYPASS Output transformer bypass switch. This ouptut transformer is part of this classic midrange sound, when you bypass it you have smooth more dynamic sound, so you have a new sound option. When the Led is on, the transformer is out of the signalpath.

5. BLEND The Dry/Wet blend control determines the balance between the original and the processed signal. The range is from 0% (dry, unprocessed) to 100% (wet, processed signal only). And it is located in the signal path after the drive and output control.

6. VUMETER Works like a classic vumeter that you can find in the consoles, but it is positionated after Drive control and gives a view of the saturation level. The 0 VU is calibrated in a 1% THD position, over that level, the saturarion increases. We recommend that find your "sweet spot".

7. ON/OFF Power on/of switch.

Rear panel:



1. Main outputs: Left and Right outputs on XLR.

2. Main inputs: Left and Right inputs on XLR.

3. AC input: Power connection to external power supply:



SPECIFICATIONS

- 1 unit of 19 inch rack format
- Connections: 2 balanced inputs and 2 balanced outputs on XLR
- The Drive Fader allows to attenuate or enhance the stereo signal at $-\infty$ dB to +12 dB
- The Output Fader allows to attenuate or enhance the stereo signal at $-\infty$ dB to +10 dB
- Headroom: +24dBu
- 220/110 volts and 50/60 Hz. The voltage switching is internal and it is located inside the external power supply box. You can see the voltage switching thru the top cover holes. To change it, open the top cover of the power supply box. For more info please contact us
- Weight: 8Kg
- The manufacturer reserves the right to change the technical specification of the product without prior notice.

WARRANTY

These products are guaranteed for a period of two years from the date of shipment to the end user for countries of the European Union. For other countries, please refer to the law in effect.

During the warranty period Kahayan Pro-Audio will, at their discretion, either repair or replace products which prove to be defective, provided that the product is returned to an authorised Kahayan service facility. The warranty will not cover shipping the unit back to the Kahayan service facility, unless the customer determines otherwise with his dealer/distributor.

Defects caused by unauthorised modifications, accident, negligence or any misuse are not covered by this warranty. For further information please contact your dealer or the distributor in your country.

RECALL SHEET

KAHAYAN

VINTAGE 80 SERIES

STEREO MIXBUSS

IN

-18

0

-12

-∞

DRIVE

0

10

20

30

40

50%

60

70

80

90

100%

BLEND

ON

IRON BYPASS

OUTPUT -10

-14

0

10

20

30

40

50%

60

70

80

90

100%

BLEND

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IRON BYPASS

OUTPUT -10

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30

40

50%

60

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80

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100%

BLEND

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IRON BYPASS

OUTPUT -10

-14

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CREDITS

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