



**Fredenstein**  
*Professional Audio*

**Bento 2**  
**Pure Analog**  
**Operating Manual**

## Fredenstein Bento 2 Pure Analog Module Carrier

The Fredenstein Bento 2 is a high performance two slot module carrier for Fredenstein Series 600 modules or API-500 compatible plug-in cards. The unit can accept a maximum of 2 modules.

The Bento 2 Pure Analog comes in two version, 120V (mainly North America and Taiwan) and 240V (other international countries) 50 to 60 Hz.

The maximum output currents are: +-16V DC 0.75A and +48V DC 250mA.

LEDs indicate the power-supply status on the front-panel.

The Bento 2 Pure Analog features an additional DC output connector to support an Bento 2 Extension.

Built-in Audio Routing: Slot 1 can be daisy-chained to slot 2 by simply flipping a switch on the back-panel.

Compressor buss linking: Compressor modules can be linked by engaging a switch on the back-panel as well (works only with two identical compressor modules supporting the link function).

### **Installation:**

#### **Electrical Safety Warnings:**

**Do not open the enclosure, hazardous voltages are present inside!**

**There are no user serviceable parts inside.**

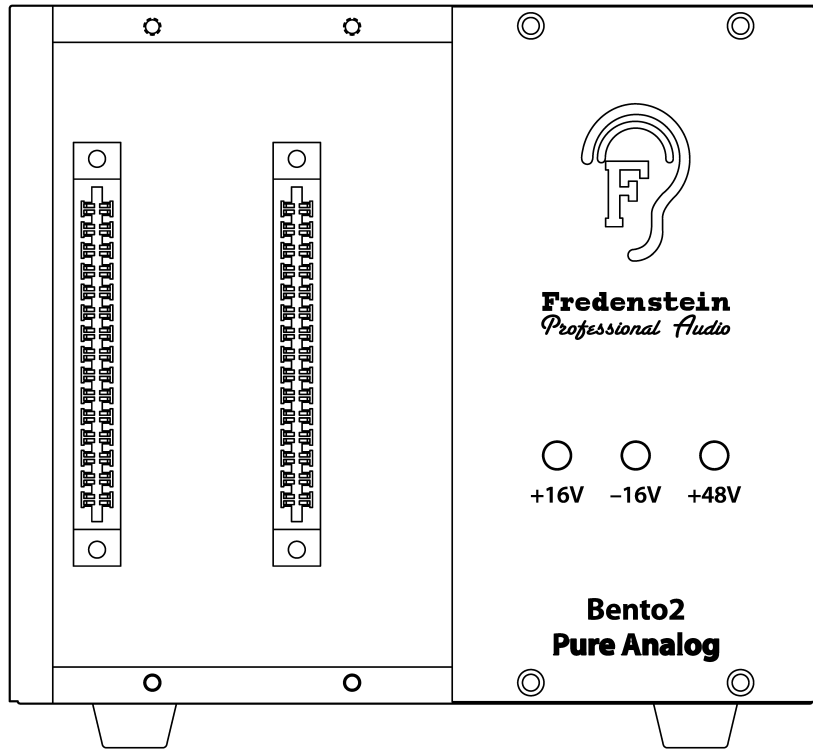
**Always disconnect the mains cord before installing or removing modules!**

**If you need to replace the mains fuse, make sure the replacement has the same rating (1 AT 250V).**

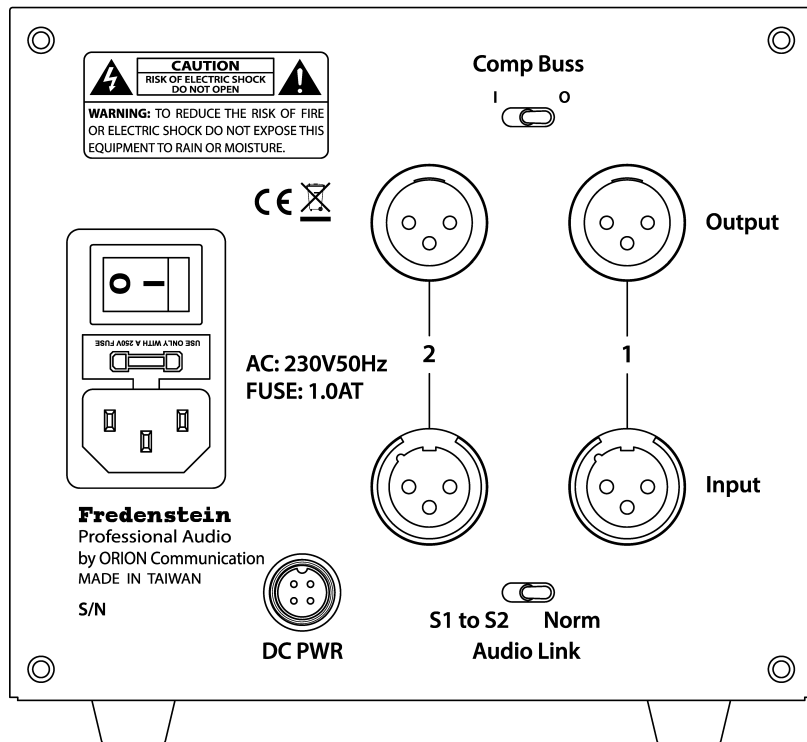
Please disconnect the mains from your Bento 2 before installing or removing modules. Make sure each installed module is well seated in the receiving connector and the module is secured by fasten the two mounting screws.

# Fredenstein Bento 2 Pure Analog Module Carrier

## Front View:



## Rear View:



# Fredenstein Bento 2 Pure Analog Module Carrier

## **Operation:**

After installation of the modules connect the mains cord to the Bento 2 IEC socket located on the back-panel and than connect the mains cable to a grounded outlet. Now turn the Bento 2 on by operating the I/O switch (also part of the IEC socket on the back), then turn the secondary power-switch on the front-panel on and the three LEDs next to it will come on within 5 seconds and the Bento 2 is ready for use. To connect the audio signals, please use the XLR connectors on the rear panel.

In case you want, for example, route the audio signal from a mic-pre in slot 1 to a EQ in slot 2 simply turn on the audio link switch located on the back-panel. (Please be aware that this disables the slot 2 XLR input connectors). Slot 1 input will be the microphone input and the slot 2 output will be the audio output of the complete chain.

In case you are using multiple compressors which make use of the compressor link buss (Pin 6), you can link the two slots by putting the buss switch in the I position. If you are using different types of compressors, you must keep the comp buss switch off.

## **Specifications:**

Input Voltage: 120V or 240V AC, 50 to 60 Hz (configured by Fredenstein)

Output Voltages: +16V DC 0.75A  
-16V DC 0.75A  
+48V DC 250mA

Power Consumption: max 35W

Dimension (WxDxH): 155mm x 190mm x 134mm

Weight: 2.75 kg (NW)

## Fredenstein Bento 2 Pure Analog Module Carrier

### **Fredenstein Bento 2 Module Connector Pin Description**

<b>Pin Number</b>	<b>Solder Side Signal</b>	<b>Component Side Signal</b>
Pin 1	Frame Ground	Frame Ground
Pin 2	Main Out +	Main Out +
Pin 3	AUX Out +	NC
Pin 4	Main Out -	Main Out -
Pin 5	Audio Ground	Audio Ground
Pin 6	Compressor Buss	Compressor Buss
Pin 7	AUX Out -	NC
Pin 8	Main In -	Main In -
Pin 9	AUX In -	NC
Pin 10	Main In +	Main In +
Pin 11	AUX In +	NC
Pin 12	+16V Supply	+16V Supply
Pin 13	Supply Ground	Supply Ground
Pin 14	-16V Supply	-16V Supply
Pin 15	+48V Supply	+48V Supply

NC = not connected

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