Fredenstein
Professional Audio

Bento 2
Module Carrier

Operating Manual

Fredenstein Bento 2 Module Carrier

The Fredenstein Bento 2 is a high performance two 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 features several important upgrades compared with third party products:
Universal power supply: Mains voltages range from 90V AC to 240V AC, 50 to 60 Hz.
Increased output currents: +-16V DC 0.9A and +48V DC 0.033A
Additional TRS inputs and outputs, parallel to the XLR connectors.
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.
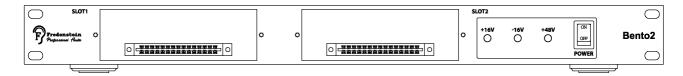Secondary power-switch and voltage indicators on the front-panel.

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 (0.5AT 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.

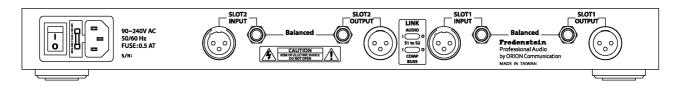## Front View:

Fredenstein Bento 2 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 <u>grounded</u> 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 you have a choice of using either the XLR or TRS connector on the inputs. If your 500 series modules support low load impedances, it might be acceptable to use the output XLR and TRS connectors simultaneously.

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 and TRS 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. <u>If you are using different types of compressors, you must keep the comp buss switch off.</u>

Rear View:

Specifications:

Input Voltage:	90V AC to 240V AC, 50 to 60 Hz
Output Voltages:	+16V DC 0.9A
	-16V DC 0.9A
	+48V DC 0.033A
Power Consumption:	max 35W
Dimension (LxHxD):	480mm x 50mm x 190mm
Weight:	2.0kg(NW)

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Fredenstein Bento 2 Module Connector Pin Description	

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

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