



Fredenstein
Professional Audio

F606
Balancer

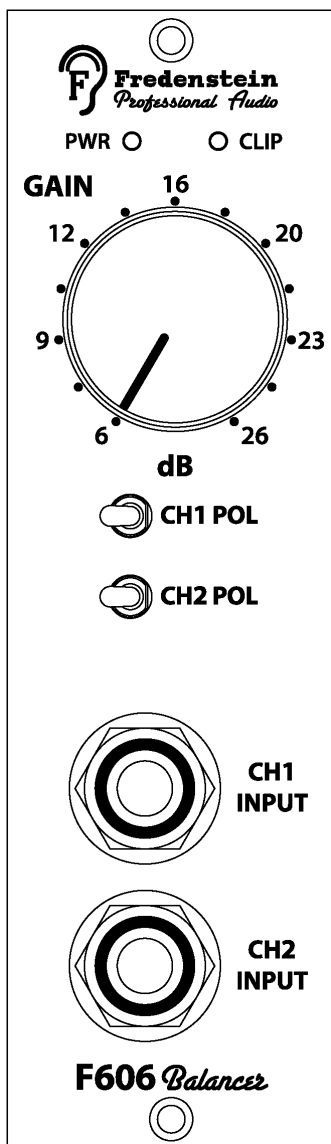
Operating Manual

Fredenstein F606 Balancer

The F606 is a high performance professional two channel unbalanced to balanced converter with variable gain-, phase control, and clip indicator.

As all Fredenstein products, the F606 is designed by a German-American team and manufactured in Taiwan.

Overview:



LED Indicators:

- PWR** : A green LED indicates presence of power
CLIP : A red CLIP indicator turns on at 2db below clipping output level

Rotary Controls:

- Gain Control** : Gain Control +6dB to +26dB

Switches:

- CH1 POL** : Selects channel 1 polarity
CH2 POL : Selects channel 2 polarity

Connectors:

- CH1 INPUT** : Unbalanced (TS) input for CH1
CH2 INPUT : Unbalanced (TS) input for CH2

Fredenstein F606 Balancer

Installation:

Please power down your rack or box first before inserting the F606. The power requirements are +/-16V, +/-100mA. **Please be aware, the F606 will not work in any third party enclosures.** The channel 1 balanced output signal is fed to MAIN output XLR located on the back panel of the Fredenstein Bento rack. The channel 2 output signal is fed to the AUX output XLR.

Gain:

Gain control from + 6 dB to + 26 dB.

CH1 POL:

Flips the polarity of the channel 1 signal.

CH2 POL:

Flips the polarity of the channel 2 signal.

Technical Data:

Frequency Response	:	10 Hz – 30,000 Hz, +/- 0.5dB
Distortion	:	< 0.01%
SNR	:	< -100 dB
Input Impedance	:	100 KOhms
Max. Input Level	:	+18 dBu
Output Impedance	:	50 Ohms
Max. Output Level	:	+ 24 dBu

Contact Info:

Fredenstein Professional Audio

by Orion Communication
7F-1, No. 582, Ruei Guang Rd.
Neihu District
Taipei 114
Taiwan

Phone : + 886-2-2657-2618
Email : info@fredenstein.com
Web : www.fredenstein.com