

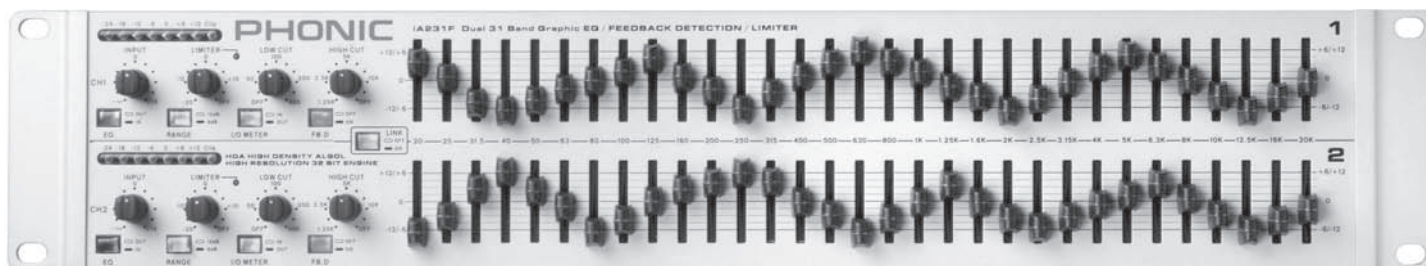
iA 231F Dual Channel 31-Band Digital Graphic Equalizer

Feedback Detection System instantly reveals critical frequencies

Built-in limiter control from -20 dB to +20 dB (Off)

Variable low-cut filter, 15 to 400 Hz (off), and high-cut filter, 2.5 to 30 kHz (off)

Dedicated mono subwoofer output with adjustable crossover frequency



FEATURES

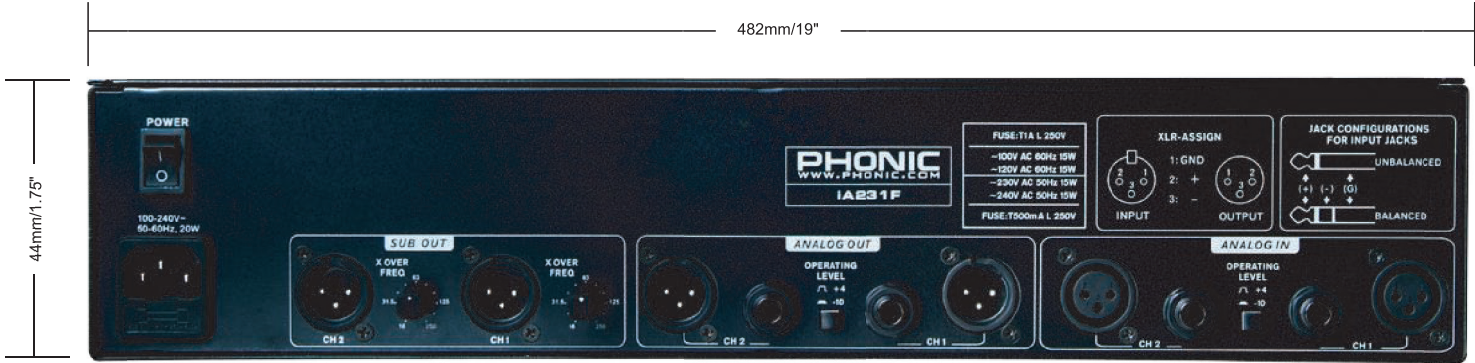
- ▶ Professional DUAL 31-band , 1/3 octave stereo Graphic Equalizer
- ▶ 30mm VR for precise adjustment
- ▶ Feedback Detection System instantly reveals critical frequencies and can also be used as Audio Analyzer
- ▶ Built-in delay control form (OFF) 1 ms to 100 ms variable
- ▶ Built-in limiter control form -20 dB to +20 dB (OFF)
- ▶ Variable low-cut filter, 15 to 400 Hz (off), and high-cut filter, 2.5 to 30 kHz (off)
- ▶ Switchable boost/cut range between 6 dB and 12 dB
- ▶ EQ IN/OUT switch
- ▶ I/O Level meter switch
- ▶ Dedicated mono subwoofer output with adjustable crossover frequency
- ▶ +15dB to $-\infty$ input gain range for easy level matching
- ▶ Stereo link function
- ▶ 8-segment LED meter with clip warning for input
- ▶ Illuminated fader
- ▶ Relay-controlled bypass
- ▶ Balanced outputs with 1/4" TRS and XLR connectors

The new Phonic iA231F dual 31-band 1/3 octave graphic equalizers allow users to easily and conveniently adjust the frequency response of their sound system to best suit their environment. Features include feedback detection, variable low and high cut filters, adjustable limiter, as well as a subwoofer output with its own crossover frequency control. Encompassing an array of useful features, the iA231F is the most necessary component to any live stage or studio setup.

Specifications

Analog Inputs	
Type	balanced input stage
Connector	XLR and 1/4" TRS
Impedance	40 k ohms
Maximum input level	+24 dB
Analog Outputs	
Type	balanced output stage
Connector	XLR and 1/4" TRS
Impedance	600 ohms
Maximum output level	+24 dB
System	
Frequency Response	20 Hz to 20 kHz +/- 1 dB
THD	0.006% typ @ +4 dBu 1 kHz
Crosstalk	<-80 dB
Noise	<-80 dB
Graphic Equalizer	
Type	Digital 1/3-oct EQ
Frequency Range	20 Hz to 20 kHz, 1/3-oct 31 bands ISO frequencies
Bandwidth	1/3 octave
Control Range	+/-6 or +/-12 dB
Filter	
Type	18 dB/oct, butterworth

Low-cut	Variable 10 Hz to 400 Hz
High-cut	variable 2.5kHz to 30kHz
Limiter	
Attack/Release	20 ms / 85 ms
Threshold	-20 dB to +20 dB (off)
Sub Out	
Frequency Range	20 Hz to 250 Hz
Function Switch and Controls	
FB.D	Feedback detection system
EQ IN	Switch to active and bypass equalizer
I/O Meter	Switch meter display from input to output
RANGE	Switch cut/boost range from +/-6 dB to +/-12dB
LIMITER	Variable -20 dB to +20 dB (off)
STEREO LINK	on/off
SUB OUT	Variable 20 Hz to 250 Hz
Indicators	
Level Meter	8-segment LED display -24/-18/-12/-6/0/+6/+12/clip
Limiter	LED (red)
Power Supply	
Main Voltage	100 to 240 v ~ switching power
Power Consumption	35 W



Back Panel

V1.1 12/07/04
Information in this document is
subject to change without notice.