



Technical Specifications



ULTRAGRAPH PRO FBQ3102

Audiophile 31-Band Stereo Graphic Equalizer
with FBQ Feedback Detection System

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Audiophile 31-Band Stereo Graphic Equalizer with FBQ Feedback Detection System

- Professional 31-band stereo graphic equalizer for live and studio applications
- Revolutionary FBQ Feedback Detection system instantly reveals critical frequencies and can also be used as audio analyzer
- Dedicated mono subwoofer output with adjustable crossover frequency
- Additional sweepable high and low-cut filters for each channel remove unwanted frequencies, e.g. floor rumble, hiss etc.
- Highly accurate 12-segment LED input/output metering and input gain controls for easy level setting
- Ultra-low noise audio operational amplifiers for highest signal integrity
- Relay-controlled hard-bypass with an auto-bypass function during power failure (failsafe relay)
- Servo-balanced inputs and outputs with ¼" TRS and gold-plated XLR connectors
- Shielded toroidal power transformer for ultra-low noise performance
- High-quality components and exceptionally rugged construction ensure long life
- Conceived and designed by BEHRINGER Germany

Specifications

Audio Inputs

INPUTS	RF-filtered, servo-balanced XLR and ¼" TRS connectors
Impedance	40 kW balanced and unbalanced
Maximum input level	+21 dBu balanced and unbalanced
CMRR	typ. 40 dB, >55 dB @ 1 kHz

Audio Outputs

OUTPUTS	servo-balanced XLR and ¼" TRS connectors
SUBWOOFER OUT	balanced XLR connector
Crossover frequency	variable, 30 - 200 Hz

System Specifications

Frequency response	10 Hz to 30 kHz, +/-3 dB
S/N ratio	22 Hz to 22 kHz >94 dB @ +4 dBu
Distortion (THD)	typ. 0.006% @ +4 dBu, 1 kHz, Gain 1
Crosstalk	typ. -65 dB @ 1 kHz

Roll-Off Filtersection

Type	12 dB/oct., Butterworth
Input	variable (-15 dB to +15 dB)
Low Cut	variable (10 Hz to 400 Hz)
High Cut	variable (2.5 kHz to 30 kHz)

Graphic Equalizer

Type	analog 31-band equalizer
Frequency range	20 Hz to 20 kHz in 31 1/3-octave bands (ISO frequencies)
Bandwidth	1/3 octave
Control range	+/-6 dB or +/-12 dB (switchable)

Limiter Section

Attack/Release	—
Threshold	—
LED meter	—

Noise Generator

Type	—
LED level meter	—

Function Switches

FBQ	activates the FBQ Feedback Detection System
Audio In/Out	switch to bypass the equalizer functions
I/O Meter In/Out	switches the meter display from input to output
Range	shift of the maximum cut/boost range for all 31/15 bands
Low Cut	—
Limiter	—
Pink Noise	—
Subwoofer	—

Indicators

Input/output level	12-segment LED display: -30/-24/-18/-12/-6/ 3/0/+3/+6/+9/+12 dB/CLIP
Subwoofer	—

Power Supply

Mains voltage	
USA / Canada	120 V~, 60 Hz
Europe / U.K. / Australia	230 V~, 50 Hz
Japan	100 V~, 50 - 60 Hz
general export model	120/230 V~, 50 - 60 Hz
Power consumption	35 W
Fuse	100 - 120 V~: T 630 mA H 200 - 240 V~: T 315 mA H
Mains connection	standard IEC receptacle

Dimensions / Weight

Dimensions (H x W x D)	approx. 3 ½ x 19 x 5 7/8" approx. 89 x 482.6 x 150 mm
Weight	approx. 5.51 lbs approx. 2.5 kg

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