



Technical Specifications



ULTRAGRAPH PRO FBQ1502

Audiophile 15-Band Graphic Equalizer with
FBQ Feedback Detection System

EN ULTRAGRAPH PRO FBQ1502

Audiophile 15-Band Graphic Equalizer with FBQ Feedback Detection System

- Professional 15-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 low-cut filter removes unwanted frequencies, e.g. floor rumble
- Highly accurate 4-segment LED output metering and input gain controls for easy level setting
- Ultra-low noise audio operational amplifiers for highest signal integrity
- 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 200 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 Filter section

Type	12 dB/oct., Butterworth
Input	variable (-15 dB to +15 dB)
Low Cut	switchable, Cutoff @ 25 Hz
High Cut	—

Graphic Equalizer

Type	analog 15-band equalizer
Frequency range	20 Hz to 16 kHz in 15 bands (ISO frequencies)
Bandwidth	2/3 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	—
Range	shift of the maximum cut/boost range for all 31/15 bands
Low Cut	activates the high pass filter
Limiter	—
Pink Noise	—
Subwoofer	—

Indicators

Input/output level	4-segment LED display: -20/0/+6 dB/CLIP (output only)
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	22 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)	215 x 44.5 x 482.6x mm (8.5 x 1.8 x 19 x")
Weight	2.34 kg (5.1 lbs)

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