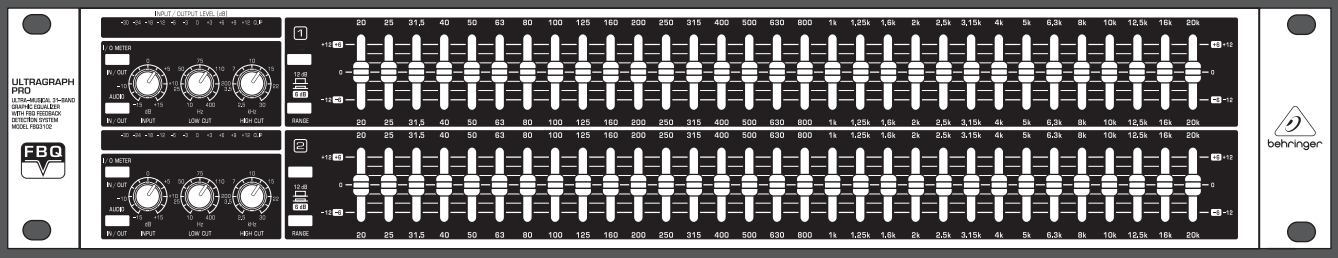
EN



Technical Specifications



ULTRAGRAPH PRO FBQ3102

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

behringer.com

behringer

EN

ULTRAGRAPH PRO FBQ3102

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	—

EN

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 ⅞" approx. 89 x 482.6 x 150 mm
Weight	approx. 5.51 lbs approx. 2.5 kg

BEHRINGER continuously strives to assure the highest quality standards possible. Required modifications may be implemented without prior notice. Technical data and the appearance of the unit may deviate from the above values and/or illustrations.

TECHNICAL SPECIFICATIONS AND APPEARANCE ARE SUBJECT TO CHANGE WITHOUT NOTICE. THE INFORMATION CONTAINED HEREIN IS CORRECT AT THE TIME OF PRINTING. ALL TRADEMARKS ARE THE PROPERTY OF THEIR RESPECTIVE OWNERS. MUSIC GROUP ACCEPTS NO LIABILITY FOR ANY LOSS WHICH MAY BE SUFFERED BY ANY PERSON WHO RELIES EITHER WHOLLY OR IN PART UPON ANY DESCRIPTION, PHOTOGRAPH OR STATEMENT CONTAINED HEREIN. COLORS AND SPECIFICATIONS MAY VARY FROM ACTUAL PRODUCT. MUSIC GROUP PRODUCTS ARE SOLD THROUGH AUTHORIZED FULLFILLERS AND RESELLERS ONLY. FULLFILLERS AND RESELLERS ARE NOT AGENTS OF MUSIC GROUP AND HAVE ABSOLUTELY NO AUTHORITY TO BIND MUSIC GROUP BY ANY EXPRESS OR IMPLIED UNDERTAKING OR REPRESENTATION. THIS MANUAL IS COPYRIGHTED. NO PART OF THIS MANUAL MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING AND RECORDING OF ANY KIND, FOR ANY PURPOSE, WITHOUT THE EXPRESS WRITTEN PERMISSION OF MUSIC GROUP IP LTD. ALL RIGHTS RESERVED. © 2011 MUSIC GROUP IP LTD. TRIDENT CHAMBERS, WICKHAMS CAY, P.O. BOX 146, ROAD TOWN, TORTOLA, BRITISH VIRGIN ISLANDS