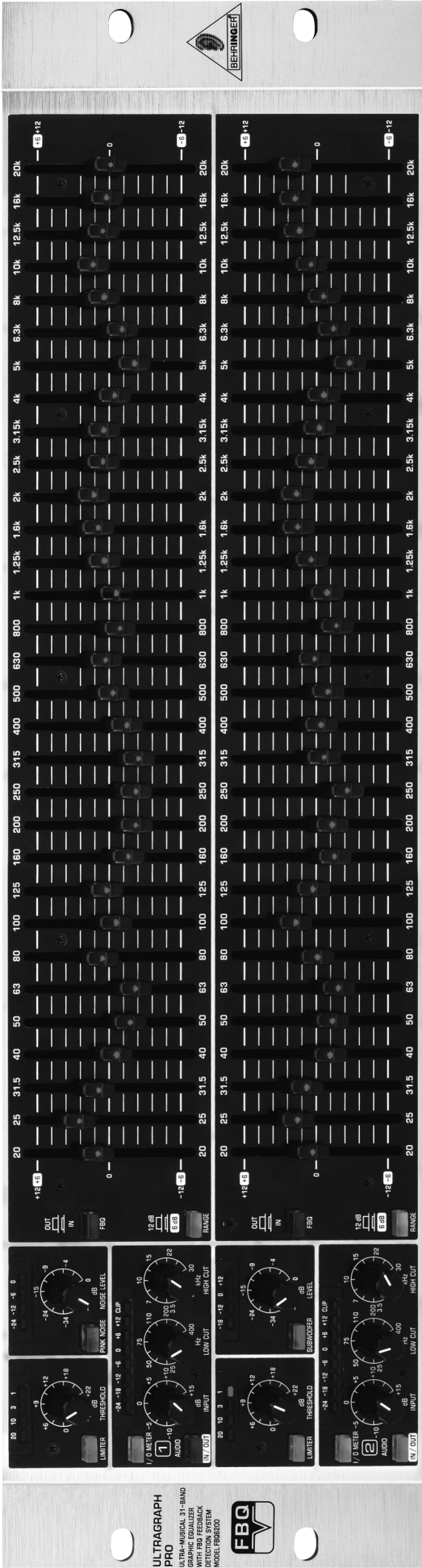


ULTRAGRAPH PRO FBQ6200



Technical Specifications

VERSION 1.2 October 2003

ENGLISH



ULTRAGRAPH PRO FBQ6200

ULTRAGRAPH PRO

ULTRA-MUSICAL 31-BAND STEREO GRAPHIC EQUALIZER WITH FBQ FEEDBACK DETECTION SYSTEM

- ▲ Professional 31-band stereo graphic equalizer for both live and studio applications
- ▲ Revolutionary FBQ Feedback Detection system instantly reveals critical frequencies and can also be used as audio analyzer
- ▲ Dedicated Limiters with gain reduction meters for each channel protect your sound system from overload and distortion
- ▲ Pink noise generator provides test signals for equalizing your sound system to any room acoustics
- ▲ Mono subwoofer output with dedicated level control and adjustable crossover frequency
- ▲ Additional sweepable high and low-cut filters for each channel remove unwanted frequencies e.g. floor rumble, tape hiss, etc.
- ▲ Highly accurate 8-segment LED input/output metering and input gain control for easy level setting
- ▲ Ultra-low noise audio operational amplifiers offer outstanding sound performance
- ▲ Relay-controlled hard bypass with an auto-bypass function during power failure (failsafe relay)
- ▲ Servo-balanced inputs and outputs with 1/4" 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

ULTRAGRAPH PRO FBQ6200

SPECIFICATIONS

	ULTRAGRAPH PRO FBQ6200	ULTRAGRAPH PRO FBQ3102	ULTRAGRAPH PRO FBQ1502
AUDIO INPUTS			
INPUTS	RF-filtered, servo-balanced XLR and 1/4" TRS connectors		
Impedance	40 k Ω 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 1/4" TRS connectors		
SUBWOOFER OUT	balanced XLR connector, level variable off to 0 dB	balanced XLR connector	
Crossover frequency	variable, 30 - 200 Hz		
SYSTEM SPECIFICATIONS			
Frequency response	10 Hz to 30 kHz, +/-3 dB	10 Hz to 200 kHz +/-3dB	
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 @ 1kHz		
ROLL-OFF FILTERSECTION			
Type	12 dB/oct., Butterworth		
Input	variable (-15 dB to +15 dB)		
Low Cut	variable (10 Hz to 400 Hz)	switchable, Cutoff @ 25 Hz	
High Cut	variable (2.5 kHz to 30 kHz)	-	
GRAPHIC EQUALIZER			
Type	analog 31-band equalizer	analog 15-band equalizer	
Frequency range	20 Hz to 20 kHz in 31 1/3-octave bands (ISO frequencies)	20 Hz to 16 kHz in 15 bands (ISO frequencies)	
Bandwidth	1/3 octave	2/3 octave	
Control range	+/-6 dB or +/-12 dB (switchable)		
LIMITER SECTION			
Attack/Release	20 msec / 90 msec	-	
Threshold	variable, -6 dB to +22 dB (off)	-	
LED meter	Gain reduction 20/10/3/1 dB	-	
NOISE GENERATOR			
Type	Pink noise, level variable, off to 0 dBu,	-	
LED level meter	-24/-12/-6/0 dB	-	
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	-	-	activates the high pass filter
Limiter	activates the limiter	-	-
Pink Noise	activates the noise generator	-	-
Subwoofer	activates the subwoofer output	-	-
INDICATORS			
Input/output level	8-segment LED display: -24/-18/-12/-6/0/+6/+12 dB/CLIP	12-segment LED display: -30/-24/-18/-12/-6/ -3/0/+3/+6/+9/+12 dB/CLIP	4-segment LED display: -20/0/+6 dB/CLIP (output only)
Subwoofer	4-segment LED display: -18/-12/0/+12 dB	-	-

ULTRAGRAPH PRO FBQ6200

	ULTRAGRAPH PRO FBQ6200	ULTRAGRAPH PRO FBQ3102	ULTRAGRAPH PRO FBQ1502
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	35 W	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 (approx.) (H x W x D)	133.5 mm x 482.6 mm x 150 mm	89 mm x 482.6 mm x 150 mm	44.5 mm x 482.6 mm x 215 mm
	5 ¼ " x 19" x 5 7/8"	3 ½" x 19" x 5 7/8"	1 ¾" x 19" x 8 3/8"
Weight	approx. 2.70 kg	approx. 2.5 kg	approx. 2.15 kg
	approx. 5.95 lbs	approx. 5.51 lbs	approx. 4.74 lbs

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.

The information contained in this publication is subject to change without notice. No part of this publication 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 BEHRINGER Spezielle Studiotechnik GmbH.

BEHRINGER is a registered trademark. ALL RIGHTS RESERVED.

© 2003 BEHRINGER Spezielle Studiotechnik GmbH.

BEHRINGER Spezielle Studiotechnik GmbH, Hanns-Martin-Schleyer-Str. 36-38, 47877 Willich-Münchheide II, Germany
Tel. +49 2154 9206 0, Fax +49 2154 9206 4903
