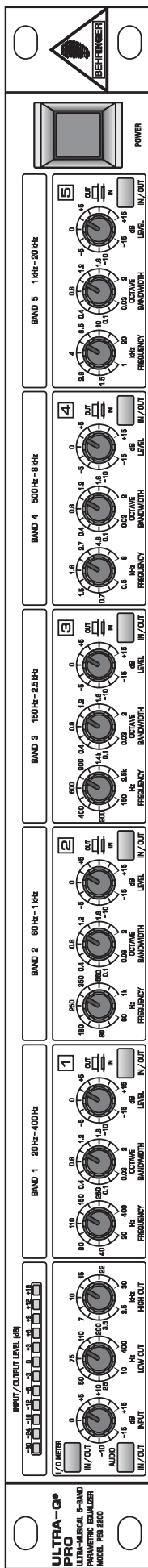


ULTRA-Q[®] PRO PEQ2200



Technical Specifications

Version 1.1 May 2000

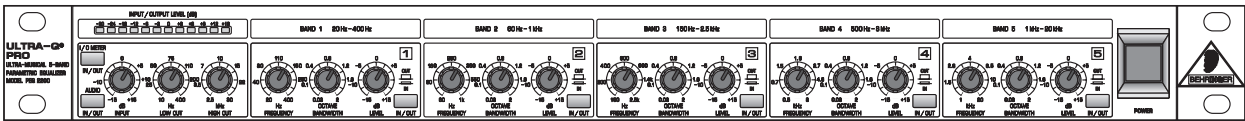
ENGLISH



www.behringer.com

ULTRA-Q PRO

Ultra-musical 5-band Parametric Equalizer delivers outstanding equalization both in live applications and in the studio



- ▲ For gentle contouring and audio sweetening in audio post-production and recording studios
- ▲ For room equalization and extreme corrective surgery e.g. notching out unwanted frequencies (feedback etc.)
- ▲ Parallel filter architecture ensures minimal phase shift and extremely transparent audio performance
- ▲ Precision State Variable filters with Constant-Q principle ensure absolutely stable filter characteristics
- ▲ Additional sweepable High and Low Cut filters remove unwanted frequencies e.g. floor rumble and tape hiss etc.
- ▲ Each band is switchable in/out and is fully adjustable from extremely narrow notch filter (0.03 octave) to broadband equalization (2 octaves)
- ▲ A wide overlap between frequency bands allows for extreme cut or boost
- ▲ Servo-balanced input and output
- ▲ Gold-plated XLR and 1/4" TRS connectors
- ▲ Relay-controlled Hard-Bypass with an auto-bypass function during power failure (failsafe relay)
- ▲ Cut-in delay to avoid switch-on "thumps"
- ▲ Ultra-low noise 4580 audio operational amplifiers offer outstanding sound performance
- ▲ Accurate 12-segment LED input/output metering for easy level setting
- ▲ High-quality detented potentiometers and illuminated switches
- ▲ BEHRINGER's high-performance OT-1 output transformer retrofittable
- ▲ High-quality components and exceptionally rugged construction ensures long life
- ▲ Manufactured under ISO9000 certified management system

SPECIFICATIONS

AUDIO INPUT

Connectors	XLR and 1/4" jack
Type	RF filtered, servo-balanced input
Impedance	50 kOhm balanced, 25 kOhm unbalanced
Nominal operating level	+4 dBu/-10 dBV switchable
Max. input level	+21 dBu balanced and unbalanced
CMRR	typ. 40 dB, >55 dB @ 1 kHz

AUDIO OUTPUT

Connectors	XLR and 1/4" jack
Type	electronically servo-balanced output stage
Impedance	60 Ohm balanced, 30 Ohm unbalanced
Max. output level	+21 dBu, +20 dBm balanced and unbalanced

SYSTEM SPECIFICATIONS

Frequency response	18 Hz to 30 kHz, +/- 3 dB
Noise	> 97 dBu, unweighted, 22 Hz to 22 kHz
THD	0.002 % typ. @ +4 dBu, 1 kHz, Gain 1
IMD	0.01 % typ. SMPTE

ROLL-OFF FILTER SECTION

Type	12 dB/oct., butterworth
Low cut	variable (10 Hz to 400 Hz)
High cut	variable (2.5 kHz to 30 kHz)

PARAMETRIC FILTER SECTION

Type	state-variable parametric filter
Level	variable (-15 dB to + 15 dB)
Frequency	band 1: 20 Hz to 400 kHz band 2: 60 Hz to 1 kHz band 3: 150 Hz to 2.5 kHz band 4: 500 Hz to 8 kHz band 5: 1 kHz to 20 kHz
Bandwidth	variable (0.03 to 2 octaves)

FUNCTION SWITCHES

Audio in/out	relay controlled hard-bypass
I/O meter in/out	switches the meter display from input to output
In/Out	activates each filter bank

INDICATORS

Input/output level	12-segment LED display: -30/-24/-18/-12/-6/-3/0/+3/+6/+9/+12/+18 dB
Function switch	LED indicator of every switch

POWER SUPPLY

Mains voltages	USA/Canada 120 V ~, 60 Hz U.K./Australia 240 V ~, 50 Hz Europe 230 V ~, 50 Hz General export model 100 - 120 V ~, 200 - 240 V ~, 50 - 60 Hz
Power consumption	max. 12 Watts
Fuse	100 - 120 V ~: T 250 mA H 200 - 240 V ~: T 125 mA H
Mains connection	standard IEC receptacle

PHYSICAL

Dimension (H * W * D)	app. 1 3/4" (44.5 mm) * 19" (482.6 mm) * 8 1/2" (217 mm)
Net weight	app. 3.0 kg
Shipping weight	app. 4.2 kg

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