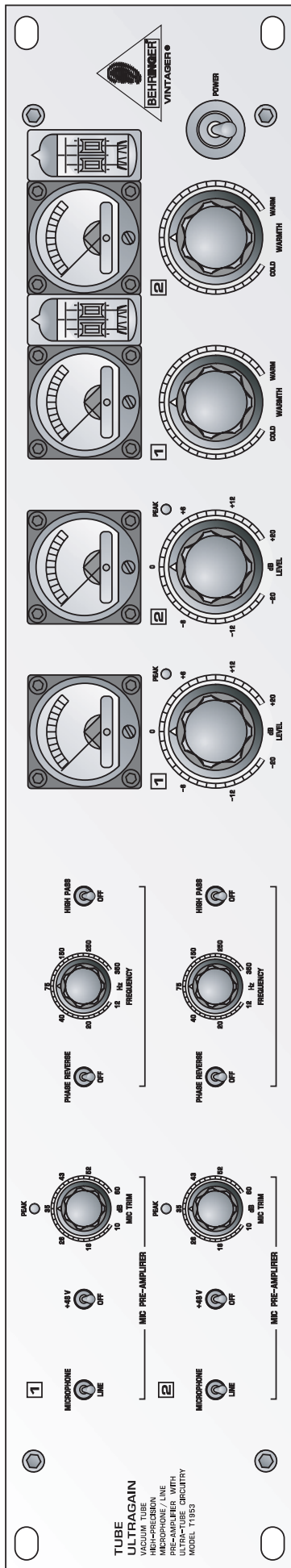


TUBE ULTRAGAIN T1953



Tech. Specifications

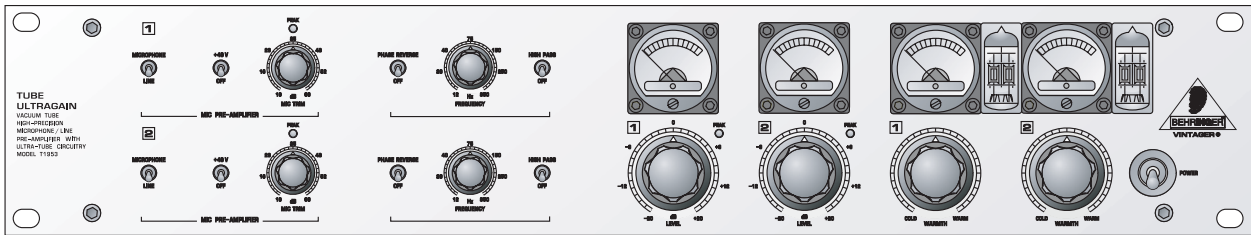
Version 1.2 December 2002

ENGLISH



TUBE ULTRAGAIN

Tube Microphone/Line Preamplifier



- ▲ Ultra low-noise discrete microphone/line preamplifier with selected 12AX7 tubes
- ▲ ULTRA-TUBE circuitry (UTC) adds desired amount of warmth without additional noise
- ▲ Mic input stages are based on high quality, discrete conjugate transistor pair circuitry
- ▲ Ultra-wide bandwidth from 18 Hz to 30 kHz for open sound
- ▲ Warmth control allows precise dosage of desired tube effect
- ▲ Completely versatile DI-Box due to servo-balanced inputs and outputs
- ▲ Level converter from -10 dBV to +4 dBu
- ▲ Soft mute +48 V phantom power to avoid switch-on thumps
- ▲ Fully tunable and switchable 12 dB high-pass filter
- ▲ Switchable phase reverse to correct phase problems
- ▲ Ultra low-noise 4580 audio operational amplifiers offer outstanding sound performance
- ▲ Highly accurate metering with true RMS level detection
- ▲ Servo-balanced gold-plated XLR and 1/4" TRS inputs and outputs
- ▲ High-quality detented potentiometers and switches with vintage-style knobs
- ▲ Huge back-lit analog VU meters and stylish "retro" design
- ▲ BEHRINGER's high-performance OT-1 output transformer retrofitable
- ▲ Manufactured under ISO9000 certified management system

SPECIFICATIONS

Microphone inputs

Connections	XLR
Type	transformerless, DC-decoupled input
Impedance	3 kOhm balanced
Max. input level	+10 dBu balanced and unbalanced
CMRR	typical 40 dB, >55 dB @ 1 kHz

Line inputs

Connections	XLR and 1/4" TRS
Type	transformerless, DC-decoupled input stage
Impedance	50 kOhm balanced, 25 kOhm unbalanced
Max. input level	+23 dBu balanced and unbalanced
CMRR	typical 40 dB, >55 dB @ 1 kHz

Audio outputs

Connections	XLR and 1/4" TRS
Type	electronic, servo-balanced output stage
Impedance	60 Ohm balanced, 30 Ohm unbalanced
Max. output level	+21 dBu balanced and unbalanced

System specifications

Bandwidth	18 Hz to 30 kHz, +/- 3 dB
Signal-to-noise ratio	>108 dBu, unweighted, 22 Hz to 22 kHz

Controls

Mic trim	variable (+10 to +60 dB)
Frequency (High Pass)	variable (12 to 350 Hz)
Level	variable (-20 dB to +20 dB)
Warmth	variable (cold to warm)

Function switches

+48 V	engages the phantom power
Mic/Line	switches from line to microphone preamp
Phase reverse	phase reversal (180°)
High Pass	engages the high pass filter

Options

Output transformer	BEHRINGER OT-1 retrofittable
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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. 30 Watts	
Fuse	100 - 120 V~:	T 1 A H
	200 - 240 V~:	T 500 mA H
Mains connection	standard IEC receptacle	

Physical

Dimension (H x W x D)	3 1/2" (89.5 mm) x 19" (482.6 mm) x 8 1/2" (217 mm)
Net weight	approx. 8 kg
Shipping weight	approx. 10 kg

BEHRINGER is constantly striving to maintain the highest professional standards. As a result of these efforts, modifications may be made from time to time to existing products without prior notice. Specifications and appearance may differ from those listed or shown.

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