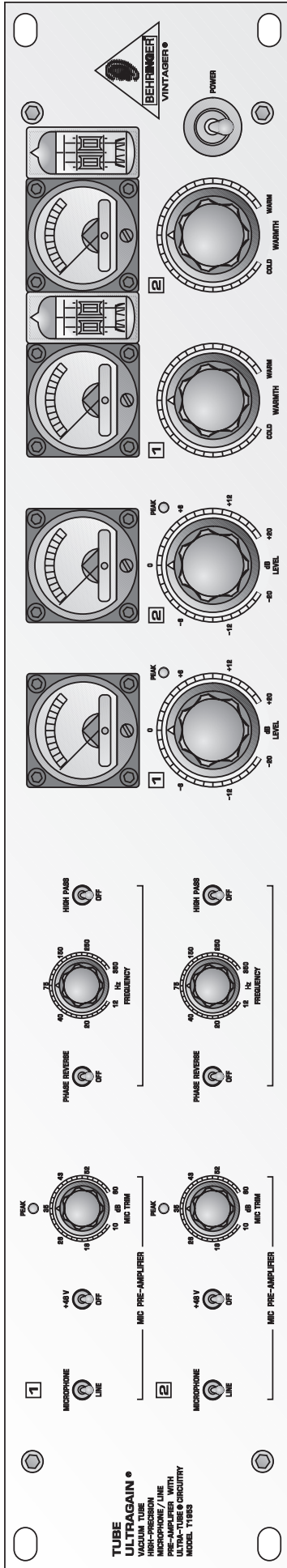


TUBE ULTRAGAIN® T1953



Tech. Specifications

Version 1.1 May 2000

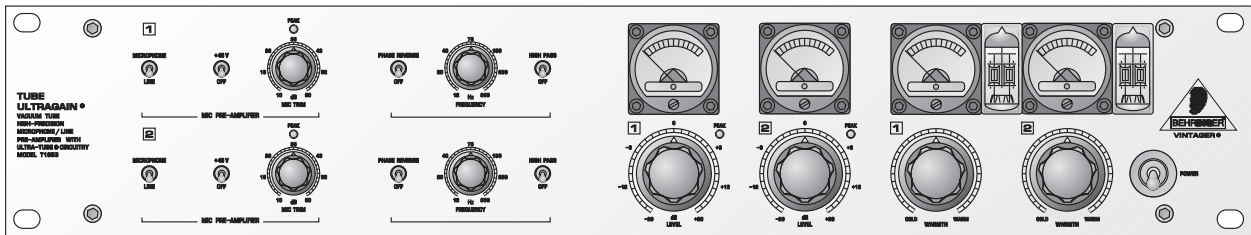
ENGLISH



www.behringer.com

TUBE ULTRAGAIN

Ultra-low noise discrete Microphone/Line pre-amplifier



- ▲ Mic input stages are based on super-high quality, discrete conjugate transistor pair circuitry
- ▲ Ultra-wide bandwidth from 18 Hz to 30 kHz for “open” sound
- ▲ Our new ULTRA-TUBE circuitry warms up your music without unwanted noise
- ▲ Special “Warmth” control lets you add the amount of tube sound you want
- ▲ Selected 12AX7 Tubes for outstanding ultra-musical tube sound
- ▲ Independent line driver to convert -10 dBV to +4 dBu pro level
- ▲ Completely versatile DI-Box due to servo-balanced inputs and outputs
- ▲ “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 for outstanding sound performance
- ▲ Accurate metering for output level
- ▲ Servo-balanced gold-plated XLR and 1/4" TRS inputs and outputs
- ▲ High quality detented potentiometers and switches with authentic vintage style knobs
- ▲ Huge back-lit, analog VU and “Warmth” meters
- ▲ Stylish “Retro” design with polished front panel
- ▲ BEHRINGER’s high-performance OT-1 output transformer retrofitable
- ▲ Exceptionally rugged construction guarantees a long life and durability
- ▲ Manufactured under ISO9000 certified management system

SPECIFICATIONS

Microphone inputs

Connections	XLR and 1/4" jack
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" jack
Type	transformerless, DC-decoupled input
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" jack
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 pre-amp
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 1.0 A H	
	200 - 240 V ~: T 500 mA H	
Mains connection	standard IEC receptacle	

Physical

Dimension (H * W * D)	app. 3 1/2" (89.5 mm) * 19" (482.6 mm) * 8 1/2" (217 mm)
Net weight	app. 8.0 kg
Shipping weight	app. 10.0 kg

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