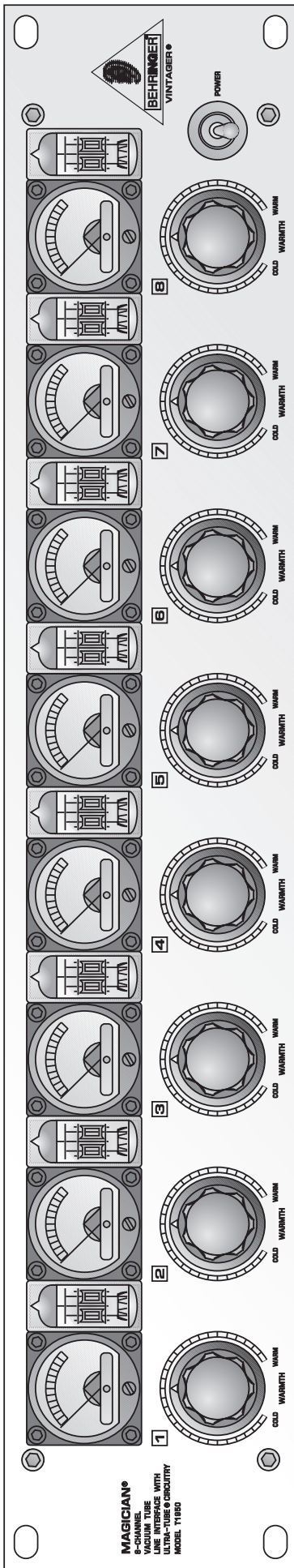


MAGICIAN® T1950



Tech. Specifications

Version 1.1 May 2000

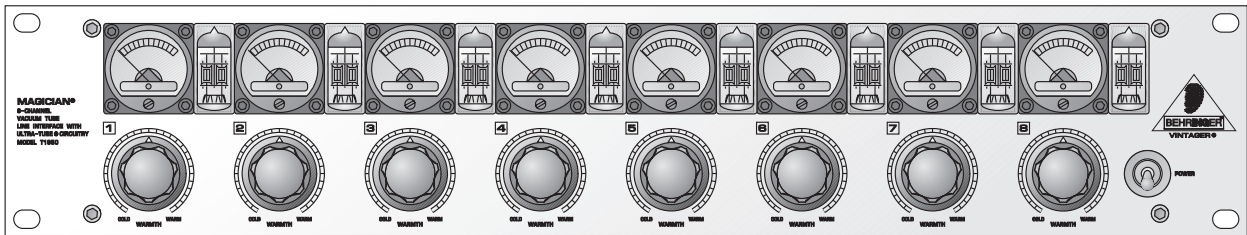
ENGLISH



www.behringer.com

MAGICIAN

Professional multi-purpose 8-channel Tube Interface for high-end studio and stage applications



- ▲ Our new ULTRA TUBE circuitry warms up your music without unwanted noise
- ▲ A special “Warmth” control lets you add the amount of tube sound you want
- ▲ Selected 12AX7 tubes for outstanding, ultra-musical tube sound
- ▲ Gives your music that extra sparkle and definition
- ▲ Releases untapped resources and additional details for any program material
- ▲ Allows analog signals to maintain all their warmth into a digital recorder
- ▲ Brings additional warmth and texture to your vocal tracks
- ▲ Provides vintage tube sound for guitar and any other instrument
- ▲ Adds warmth and presence to any mix
- ▲ Perfectly emulates the tape saturation effect of analog tape recording machines
- ▲ Servo-balanced gold-plated XLR and 1/4" TRS inputs and outputs
- ▲ Ultra-low noise 4580 audio operational amplifiers for superior sound performance
- ▲ High quality detent potentiometers and switches with authentic vintage style knobs
- ▲ Huge back-lit analog VU meters with stylish “Retro” design
- ▲ Exceptionally rugged construction ensures long life and durability
- ▲ Manufactured under ISO9000 certified management system

SPECIFICATIONS

Audio input

Connectors	XLR and 1/4" jack
Type	transformerless, DC-decoupled input
Impedance	50 kOhm balanced, 25 kOhm unbalanced
Maximum input level	+23 dBu balanced and unbalanced
CMRR	typ. 40 dB, >55 dB @ 1kHz

Audio output

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

System specifications

Bandwidth	10 Hz to 200 kHz, +/- 3 dB
Signal-to-noise ratio	>100 dB, unweighted, 22 Hz to 22 kHz
THD	0.011 % typ. @ +4 dBu, 1 kHz, Gain 1
IMD	0.01 % typ. SMPTE

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. 85 Watts	
Fuse	100 - 120 V ~:	T 2.5 A H
	200 - 240 V ~:	T 1.25 A H
Mains connection	standard IEC receptacle	

Physical

Dimension	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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