

**MODEL 583E**

## 500 SERIES TUBE PREAMP + EQ

FEATURE  
OVERVIEW

Tube preamp and EQ  
combined in one unit

Same tube preamp as the 583S

Input and Output Knobs

Phantom Power, Pad, Phase

Run cascaded or as  
separate modules

The Model 583E is a “two in one” 500 series tube microphone preamp and EQ. It features the same amplifier stage found on the 583S MK2 including the input transformer and JT-11 output transformer coupled with an ultra-clean transformer-less three-band EQ section with fully sweeping frequency controls and cut/boost settings of +/- 8dB.

The EQ can run as a totally separate EQ module or can follow the preamp stage. When running independently, the 583E functions as two separate modules. In this mode, the EQ can process different audio than the preamp. When the EQ is set to follow the preamp, the preamp signal flows through the EQ and the 583E functions as a single module.

**PREAMP SPECIFICATIONS**

INTERNAL GAIN	0 to >72dB
THD+N	0.10% (minimum)
FREQUENCY RESPONSE	10Hz to 50KHz
MAX OUTPUT (1% THD+N)	+26dBu
TYPICAL EIN	-121dBu
INPUT IMPEDANCE	1.5KΩ
TUBE COMPLIMENT	1 x 12AX7 / ECC83

**EQ SPECIFICATIONS**

NOISE FLOOR	-95dB
THD+N	0.012% (@ +4 output)
FREQUENCY RESPONSE	10Hz to 50KHz (flat)
CUT / BOOST RANGE	+/- 8dBu
MAXIMUM INPUT LEVEL	≥25dB
INPUT IMPEDANCE	48KΩ
INPUT / OUTPUT TYPE	TRANSFORMERLESS

*Stated specifications are typical measurements and subject to change without notice. All measurements taken while driving a 40kohm load with a 1khz source.*