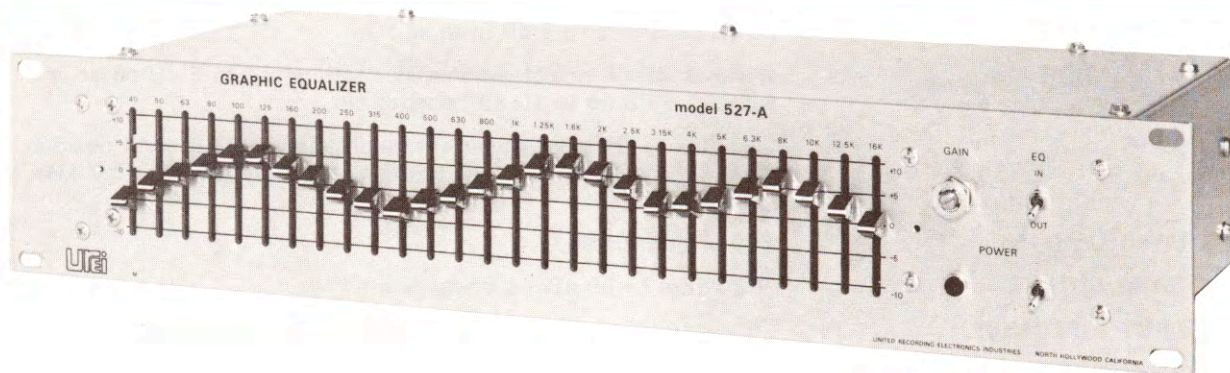


Universal Audio
1/3 OCTAVE
GRAPHIC EQUALIZER

MODEL
527-A
527 SC



FEATURES

The Model 527-A 1/3-octave Graphic Equalizer is a general purpose frequency-response shaping filter set. It features both boost and attenuation at 27 contiguous ISO center frequencies.

As a creative tool in sound recording and re-recording, the 527-A permits complete freedom in contouring response over the entire audio spectrum from 40 Hz to 16 kHz.

Each of the 27 equalizers provides boost or attenuation of up to 10 dB with stepless, noiseless vertical controls. The positions of the 27 control arms provide a graphic representation of the resulting response curve.

Equalization is accomplished with active LC filters. Gain is adjustable with a locking front panel control, and up to 10 dB of voltage gain may be obtained. Program levels from -20 dBm to +20 dBm are accommodated with excellent signal-to-noise and low distortion. An optional accessory, Model 527 SC Security Cover, may be installed over the front panel to provide protection against disturbance of the equalization controls in fixed installations.

Model 527-A is completely self-contained with built-in power supply, and operates from either 110-120 or 220-240 VAC, 50 or 60 Hz.

- 27 adjustable equalizers on 1/3-octave ISO center frequencies.
- 10 dB boost or 10 dB attenuation at any center frequency.
- Stepless, noiseless vertical controls, precision calibrated.
- State-of-the-art active filter circuitry.
- Low distortion, low noise.
- All solid-state.
- Zero insertion loss—up to 10 dB voltage gain.
- Standard rack mounting—only 3 1/2" high.
- Optional accessory front panel security cover.
- Competitive price.

ACCESSORY

527 SC SECURITY COVER



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MODEL
527-A
527 SC

TECHNICAL SPECIFICATIONS

ELECTRICAL SPECIFICATIONS	:	
GAIN	:	Adjustable to +10 dB (with controls set flat or EQ switched OUT.)
DISTORTION	:	0.5% maximum at +24 dBm output.
FREQUENCY RESPONSE	:	20 Hz to 20 kHz, ± 1 dB (with no EQ).
CALIBRATION	:	Within 1 dB of indicated attenuator setting, up to 5 dB boost or cut; within 1.5 dB up to 10 dB boost or cut.
NOISE	:	Less than -90 dBm equivalent input noise in 0 dB input position; less than -70 dBm in +20 dB position. (EQ switched IN; 15.7 kHz noise bandwidth).
RATED LOAD	:	600 ohms resistive.
RATED OUTPUT	:	+24 dBm (+30 dBm clipping point).
INPUT IMPEDANCE	:	600 or 10 k ohms, unbalanced to ground.
OUTPUT CIRCUIT	:	Floating (transformer isolated).
EQ. CENTER FREQUENCIES	:	40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, 10000 12500, 16000 Hz.
FREQUENCY TOLERANCE	:	$\pm 3\%$ of center frequencies.
FILTER BANDWIDTH	:	1/3 octave at 3 dB points, with 6 dB boost or cut.
FILTER TYPE	:	LC active feedback type equalizers.
CONTROLS	:	
EQUALIZATION	:	27 vertical potentiometers, continuously variable ± 10 dB.
GAIN	:	Screwdriver adjustable control with lock nut.
EQ IN/OUT	:	Toggle switch.
POWER	:	Toggle switch and pilot light.
INPUT IMPEDANCE	:	Rear panel switch: 600 ohms or 10 k ohms.
INPUT LEVEL	:	Rear panel switch: 0 dBm or +20 dBm maximum.
MAINS VOLTAGE	:	Rear panel switch: 115/230 VAC.
TERMINATIONS	:	Rear panel barrier strip In/Out, 6' 3-wire power cable.
PHYSICAL	:	
SIZE	:	3½" x 19" rack panel. Depth behind panel 8". (89 x 483 x 203 mm).
WEIGHT	:	13 pounds, 5.9 kg.
FINISH	:	Front panel: Horizontally brushed clear anodized aluminum. Chassis: cadmium plated steel.
ACCESSORIES	:	527 SC Security cover.