LX-220A NTSC / PAL BLACK-BURST GENERATOR

The LX-220A provides a convenient source of composite black-burst for preblacking tapes or for synchronization purposes. Eight isolated outputs are provided on rear mounted BNC connectors. The output signal consists of sync, blanking, reference black setup level and color burst which is SCH phased. The LX-220A employs a temperature-compensated crystal oscillator for high stability. A sinewave tone, at 0 dbm (2.2 vpp), is accessible on the rear-mounted RCA connector. The frequency of the tone is selectable (400 Hz or 1 KHz) with a front panel DIP switch. The other front panel DIP switch allows the unit to be switched between NTSC (RS-170A) and PAL composite video.

Features

- Eight Isolated Composite Black Outputs Enhanced Noise Suppression Circuitry
- Excellent Temperature Stability PAL And NTSC Modes 400 Hz or 1 KHz Tone



Specifications

Outputs: 8 Composite, BNC, 75Ω , RS-170A or PAL

Sync and burst 40 IRE, Setup 7.5 IRE

1-Tone (400Hz or 1 KHz), RCA

Video Level: 75% amplitude, 75% saturation (NTSC)

75% amplitude, 100% saturation (PAL)

Output Impedance: 75Ω

Differential Gain: 0.8% **Differential Phase:** 0.8°

Hue Accuracy: 1.0° Saturation Accuracy: 1.0%

Enclosure: Desk-Top, Black Anodized Aluminum

Dimensions: $1.6" \text{ H} \times 7" \text{ W} \times 5" \text{ D}$

Tone: 400 Hz or 1 KHz Sine Wave

(selectable), 0 dbm, RCA

Electrical: 117 VAC, 50/60 Hz Power: 5W maximum

Options: J, P, P2, Sync, UL

LX-221

"GENLOCKABLE" BLACK-BURST / SYNC GENERATOR

The LX-221 is a six output Black-Burst / Sync Generator. The unit features enhanced black-burst circuitry and extremely precise stability. LX-221 provides a convenient source of RS-170A composite black-burst for pre-blacking tapes or for synchronization purposes. The unit may be genlocked to an external source of video or operate in stand-alone mode. In stand-alone mode the unit references an internal voltage-controlled, temperature compensated crystal oscillator. If the signal is lost when operating in genlock mode, the unit automatically references the internal crystal.

- Enhanced Noise Suppression Circuitry Six Isolated Composite Black Outputs
- Excellent Temperature Stability Genlockable





Rear View

Six isolated outputs are provided on rear mounted BNC connectors. Each output signal consists of sync, blanking, reference black setup level and color burst which is SCH phased. The subcarrier frequency may be adjusted internally if desired (internal reference only). An LED indicator and toggle switch are located on the front panel. The LED is lit when the unit is operating in genlock mode.

Specifications

Input: 75Ω , RS-170A composite video or black-burst

Outputs: 6 Composite, BNC, 75Ω , RS-170A

Sync and burst 40 IRE, Setup 7.5 IRE **Enclosure**: Desk-Top, Black Anodized Aluminum **Dimensions**: $1.6" \text{ H} \times 7" \text{ W} \times 5" \text{ D}$ Electrical: 117 VAC, 50/60 Hz **Power**: 5W maximum

Options: J, P, P2, Sync, Tone, UL

