

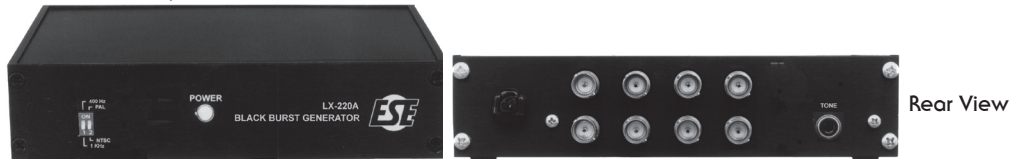
# LX-220A

## 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

<p><b>Outputs:</b> 8 Composite, BNC, 75Ω, RS-170A or PAL Sync and burst 40 IRE, Setup 7.5 IRE 1-Tone (400Hz or 1 KHz ), RCA</p> <p><b>Video Level:</b> 75% amplitude, 75% saturation (NTSC) 75% amplitude, 100% saturation (PAL)</p> <p><b>Output Impedance:</b> 75Ω</p> <p><b>Differential Gain:</b> 0.8%</p> <p><b>Differential Phase:</b> 0.8°</p>	<p><b>Hue Accuracy:</b> 1.0°</p> <p><b>Saturation Accuracy:</b> 1.0%</p> <p><b>Enclosure:</b> Desk-Top, Black Anodized Aluminum</p> <p><b>Dimensions:</b> 1.6" H x 7" W x 5" D</p> <p><b>Tone:</b> 400 Hz or 1 KHz Sine Wave (selectable), 0 dbm, RCA</p> <p><b>Electrical:</b> 117 VAC, 50/60 Hz</p> <p><b>Power:</b> 5W maximum</p> <p><b>Options:</b> J, P, P2, Sync, UL</p>
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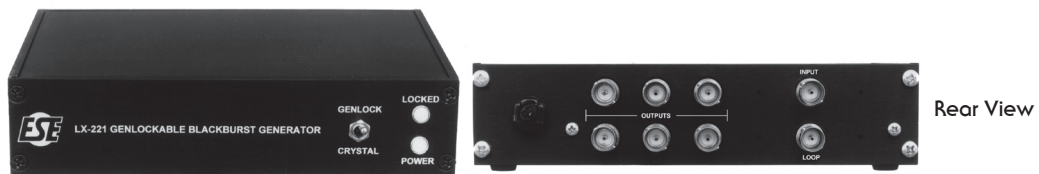
# LX-221

## “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.

### Features

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



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

<p><b>Input:</b> 75Ω, RS-170A composite video or black-burst</p> <p><b>Outputs:</b> 6 Composite, BNC, 75Ω, RS-170A Sync and burst 40 IRE, Setup 7.5 IRE</p> <p><b>Enclosure:</b> Desk-Top, Black Anodized Aluminum</p>	<p><b>Dimensions:</b> 1.6" H x 7" W x 5" D</p> <p><b>Electrical:</b> 117 VAC, 50/60 Hz</p> <p><b>Power:</b> 5W maximum</p> <p><b>Options:</b> J, P, P2, Sync, Tone, UL</p>
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