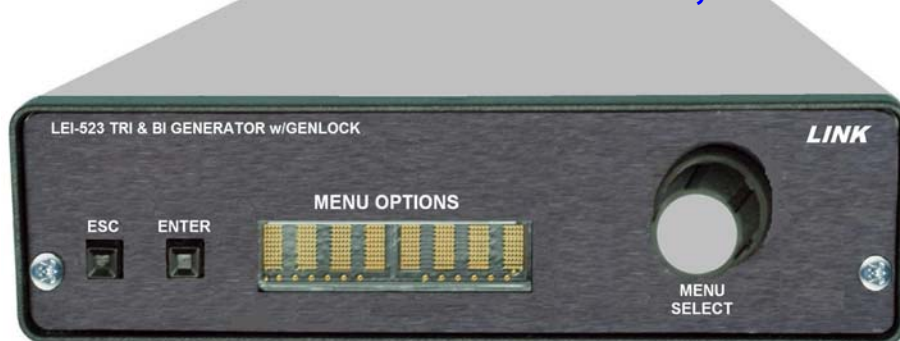




MASTER SYNC GENERATOR HD Tri- Level, Bi-Level w/COMPONENT TEST PATTERNS, GEN-LOCK



Use Power Supply
PWT-400 or PPS-702
for Rack Mount-
must choose one

FEATURES

- ◆ Looping Reference Input
- ◆ Bi-level or Tri-level Reference
- ◆ HD YUV or RGB Outputs
- ◆ 30 Test Patterns
- ◆ Master Sync Generator
- ◆ 23 Different Formats
- ◆ Infinite Timing
- ◆ Bi-level and Tri-Level Outputs
- ◆ Unit Identification
- ◆ Active Patterns

The LINK **LEI-523** is another family of 500 series product for portability. This unit is a multi-format generator that can be used where various HD signals are required. Tri-level sync is on all analog component outputs, RGB or YUV. Sync output can be selected as Bi-level (SD black burst) or Tri-level (HD sync). With Bi-level and Tri-level outputs, one unit can be used to time both SD and HD source videos in a system (Master Sync Generator). The LEI-523 takes advantage of the latest FPGA technology to provide the highest performance for all test patterns.

The LEI-523 can be a free running (stand alone) unit or a gen-lock unit with a pair of looping BNC connectors on the rear panel. The reference input can be Bi-level (SD black burst) or Tri-level (HD sync). The unit automatically detects and locks according to what the reference input is.

The unit automatically changes the output format to the closest format that is gen-lockable to the reference. An infinite Gen-lock timing range for both horizontal and vertical with gen-lock indication makes the LEI-523 ideal for timing the signal into the studio facility.



There are a total of thirty test signals available, including SMPTE, EIA, and Full Field Bars. There are twenty three different HD formats available plus NTSC or PAL black burst. It also has a unit identification that can be enabled to uniquely identify up to 100 different units. This unit can flash the unit identification on and off making the video active allowing you to see if the video is still active when going thru other equipment.

There is a front panel eight character display for showing menu selection or the function under adjustment. There are two front panel push-buttons switches that are used, "Escape" takes you out a menu level and "Enter", takes you in a menu level or makes a selection. The rotary encoder (front panel knob) allows you to change menus or to make an adjustment. All this, makes operation of the unit simple and user-friendly.

The Link Electronics product design performance and reliability are reflected in the new generation of Link products. The LEI-523 is ideal for use as either a stand alone or a gen-lockable HD analog component generator in any system. With Bi-level and Tri-level syncs makes Link Electronics the only choice for a SD and HD timing system to meet both your needs and your budget. For total flexibility, the PRT-700 mounting tray will hold up to three (3) 500 or 700 series products.

Bi & Tri MASTER GENERATOR WITH GEN-LOCK
Model LEI-523

OUTPUTS:

HD YUV or RGB Analog: One set of three 75 Ω BNC's
 Level, Y, G, B, & R: 1Vpp, ±10% @ 100% Color Bar
 Level, U & V: 0.7Vpp, ±10% @ 100% Color Bar
 Level, Sync: Bi-level or Tri-level one 75 Ω BNC, 0.6Vpp±10%

REFERENCE INPUT:

Reference: 2 High Impedance Looping BNCs, >50K ohms
 Type Tri-level (HD) or Bi-level (SD) sync
 Level: 1Vpp +/- 3dB
 Configuration: Single ended

Electrical:

Input Power:: Auto Detection 100 to 240 VAC
 Frequency: 47 to 63 Hz
 Consumption: 12 Watts
 Compliance: Designed to meet UL Approval

MECHANICAL:

Height: 1.5 inches
 Width: 9 inches
 Depth: 5.5 inches
 Weight: 1.75 Lbs.

ENVIRONMENTAL:

Temperature: 0° to 50° C (ambient)
 Humidity: 10% to 90% non-condensing

Output Formats

720 Progressive Formats							
Active Samples	Active Lines	Frame Rate	20 bit Frequency	Samples	Total Lines	Standard	SMPTE
1280	720	60 Hz	74.25 MHz	1650	750	NTSC	296M
1280	720	59.94 Hz	74.175 MHz	1650	750	NTSC	296M
1280	720	50 Hz	74.25 MHz	1980	750	PAL	296M
1280	720	30 Hz	74.25 MHz	3300	750	NTSC	296M
1280	720	29.97 Hz	74.175 MHz	3300	750	NTSC	296M
1280	720	25 Hz	74.25 MHz	3960	750	PAL	296M
1280	720	24 Hz	74.25 MHz	4125	750	FILM	296M
1280	720	23.98 Hz	74.175 MHz	4125	750	FILM	296M
1080 Progressive Formats							
Active Samples	Active Lines	Frame Rate	20 bit Frequency	Samples	Total Lines	Standard	SMPTE
1920	1080	30 Hz	74.25 MHz	2200	1125	NTSC	274M
1920	1080	29.97 Hz	74.175 MHz	2200	1125	NTSC	274M
1920	1080	25 Hz	74.25 MHz	2640	1125	PAL	274M
1920	1080	24 Hz	74.25 MHz	2750	1125	FILM	274M
1920	1080	23.98 Hz	74.175 MHz	2750	1125	FILM	274M
1080 Interlaced Formats							
Active Samples	Active Lines	Frame Rate	20 bit Frequency	Samples	Total Lines	Standard	SMPTE
1920	1080	60 Hz	74.25 MHz	2200	1125	NTSC	274M
1920	1080	59.94 Hz	74.175 MHz	2200	1125	NTSC	274M
1920	1080	50 Hz	74.25 MHz	2640	1125	PAL	274M
1080 Progressive Segmented Frame Formats							
Active Samples	Active Lines	Frame Rate	20 bit Frequency	Samples	Total Lines	Standard	SMPTE
1920	1080	30 Hz	74.25 MHz	2200	1125	NTSC	RP 211
1920	1080	29.97 Hz	74.175 MHz	2200	1125	NTSC	RP 211
1920	1080	25 Hz	74.25 MHz	2640	1125	PAL	RP 211
1920	1080	24 Hz	74.25 MHz	2750	1125	FILM	RP 211
1920	1080	23.98 Hz	74.175 MHz	2750	1125	FILM	RP 211
1035 Interlaced Formats							
Active Samples	Active Lines	Frame Rate	20 bit Frequency	Samples	Total Lines	Standard	SMPTE
1920	1035	60 Hz	74.25 MHz	2200	1125	NTSC	260M
1920	1035	59.94 Hz	74.175 MHz	2200	1125	NTSC	260M