

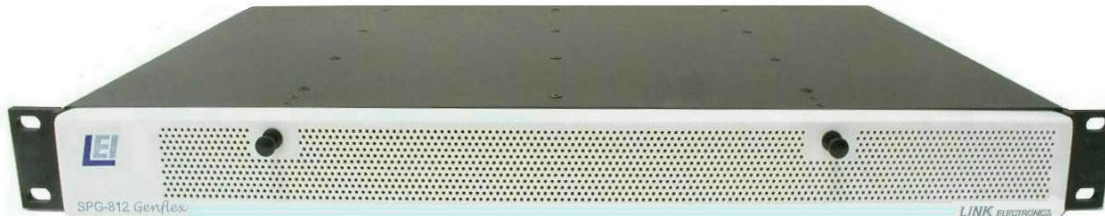


**LINK ELECTRONICS, INC.**

**SYNC GENERATOR SERIES**  
A PRODUCT OF THE GENFLEX SYSTEM

*Genflex*

## MASTER ANALOG GENERATOR MODEL SPG-812/SD



### For Future Generations

Link's SPG-812/SD is an SDI master sync generator, including: SPG-812 chassis & power supply, SDI genlock 812-OP/D, SDI black burst 812-OP/B, SDI pattern generator 812-OP/F, and AES + analog tone 812-OP/E.

#### Modules available:

Analog Black Burst Master Timebase Generator 812-OP/A  
Digital Black Master Timebase Generator 812-OP/B  
Black Master Timebase Gen., with Gen-Lock 812-OP/C  
SDI Black Master Timebase Gen., with Gen-Lock 812-OP/D  
AES and Analog Tone, 812-OP/E  
Digital Test Signal Generator -16 Signals 812-OP/F  
Analog Test Signal Generator -16 Signals 812-OP/G  
Sync, SC & Blanking Generator 812-OP/H  
Optional 0.5 Master Oscillator, 812-OP/I  
Source ID, XDS Monitor and CC Decoder, 812 -OP/J  
HD, VD & SC Generator 812-OP/K  
Sync, SC and Burst Flag Generator 812-OP/L  
Digital Tone Generator 812-OP/M

The following patterns are available in the test generator module, SDI or analog.

100% Color Bars  
75% Color Bars  
SMPTE Color Bars (NTSC) or  
EBU Color Bars + White Flag (PAL)  
Modulated Stairstep (5-Step)  
Un-Modulated Stairstep (5-Step)  
Modulated Ramp  
Un-Modulated Ramp  
Pulse & Bar  
Field-Rate Square Wave  
SDI Check Field  
50% Multiburst  
100% Sweep  
Red Field  
Shallow Ramp  
Gray Field  
Blackburst

**LINK ELECTRONICS, INC.** ♦ 2137 Rust Avenue ♦ Cape Girardeau, MO 63703-7668

Phone 573 334 4433 ♦ FAX 573 334 9255

# SPG-812/SD SDI MASTERER GENERATOR

## SPECIFICATIONS

Link's SPG-812 is designed to provide accurate analog and digital timing reference signals. A look-a-like chassis is designed for the Automatic Change-over unit. It's modular construction offers unmatched flexibility to the user, and provides an easy means of upgrading from analog to digital.

The SPG-812 consists of a 1RU chassis and power supply with six module cells to accommodate various module functions. One module cell is dedicated as a dual analog/digital audio reference tone generator. A digital only tone generator is also available. The second cell is designated as the master gen-lock module or master timebase unit. The selection of gen-lock can be either analog or digital through a dedicated module. The optional gen-lock module provides the timebase signals for all chassis modules. Any of the output modules may be installed in the remaining four cells. The four cells can be used in any of the four remaining cell for analog blackburst, component digital black, analog composite test pattern, component digital test pattern, source ID, ratings code monitor or caption decoder. The 812-OP/J source ID module will hold up to 32 pages of data and is RS-232 controlled.

Each output module is available for 525/60 (NTSC) or 625/50 (PAL) operation. There are three outputs per module and each module has its own independent infinite timing adjustments. A dual audio tone generator is available to provide Silent, 0dB, -10dB and -20dB levels.

The SPG-812's flexibility is unmatched in the industry. Each module is accessible from the front of the unit and may be easily installed or removed. All timing adjustments are located on the front card edge. It is possible to begin with an all-analog unit and gradually upgrade to an all-digital unit simply by combining the appropriate modules. If gen-lock capability is not required, an output module may be installed in the "gen-lock" slot to serve as the unit's master timebase. The digital and analog test generators may be plugged into the SPG-812 as a stand-alone test signal generator without any other optional module as they equipped with it own timebase.

The PCO-818 automatic pulse change-over modules operate as independent or synchronized operation. Two PCO-818 change-over chassis may be interlinked to cause all modules to switch should a failure occur in the master generator.

### ENVIRONMENTAL:

Temperature: ..... 0° to 50°C Ambient  
Power: ..... 15 watts, based on plug-in modules

### MECHANICAL:

Height: ..... 1.75 Inches  
Width: ..... 19 Inches  
Depth: ..... 8 Inches  
Weight: ..... 5 Pounds



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PROFESSIONAL SERIES--

stand-alone system products--by **LINK**