SPG Series Signal Generators Fact Sheet

Meeting the video and audio sync needs of 525 or 625 systems
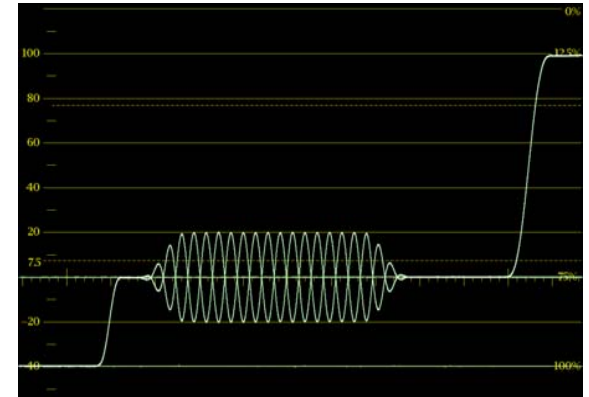

Stay GenLock® Ensures Stable Sync Signals

All the standard video and audio signals that you need

Features	Benefits
Multiple analog video sync outputs, with independent timing offsets	The SPG600 and SPG300 are both suitable for use as a master sync generator for small facilities or as a slave sync generator in larger environments.
Stay GenLock®	A momentary loss of synchronization at the genlock reference input will not cause any disturbance in the SPG's test signal and black outputs.
Wide selection of test signals for both composite analog and SD-SDI digital video outputs	Standard signals can be used for equipment verification and calibration throughout the facility. The SPG assists with analog-to-digital transition work by providing test signals for both of these formats.
Digital and analog audio signal generation	Audio tone signals complement video signals for equipment and facility testing. Word clock and DARS signals provide synchronization reference signals for audio systems.
SNMP support and web remote control	Easy to integrate the SPG into a typical operational environment and management system.

Two Form Factors
- Full Rack Width – SPG600
- Half Rack Width – SPG300

Digital Video Formats
525-270, 625-270 (270 Mbps)

Analog Video Formats
NTSC, NTSC no setup, PAL

Digital Video Standards
ITU-R BT 601, 656, EBU Tech 3267,
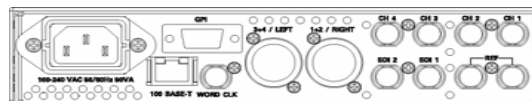SMPTE 125M, 244M, 259M, 272M, RP165, RP178

AES/EBU Digital Audio Standards
ANSI S4.40 (AES3); SMPTE 276M (AES3 ID)

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Key specifications and ordering information

Models / Options	
SPG300	Half rack width Digital/Analog SD Sync Pulse Generator
SPG600	Full rack width Digital/Analog SD Sync Pulse Generator
Opt. 01	Fine timing adjustment
Opt. 02	Add 4 analog video outputs (SPG600 only)
Opt. 03	Add 2 SD-SDI video outputs (SPG600 only)

Service Options			
C3	Calibration Service 3 Years	C5	Calibration Service 5 Years
R3	Repair Service 3 Years	R5	Repair Service 5 Years

Configuration	SPG600	SPG300
Analog video outputs	4 or 8 (opt.)	4
Digital video outputs	2 or 4 (opt.)	2
Audio outputs	2 analog plus 4 AES pairs	2 analog or 2 AES pairs

Dimensions	SPG600	SPG300
Height	43.6 mm / 1.72 in.	43.6 mm / 1.72 in.
Width	482.5 mm / 19 in.	206.2 mm / 8.1 ins.
Depth	557.5 mm / 21.9 in.	435.7 mm / 17.2 ins.

Key Applications	Benefits
Broadcast Master Sync	Multiple analog sync outputs provide flexibility in system configuration. Each output has an independent timing offset to accommodate different sync requirements within the facility.
Genlock to House Master Sync	The SPG series can serve as a slave sync generator to another master generator. The Stay Genlock® algorithm improves stability from the master source.
Video and audio test signal generation	SPG series provides both digital and analog test signals for facility verification, display calibration, and equipment acceptance.

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