

SG-2, SG-4,  
SG-5

Black Burst Generators

**Manual Version 2.01**

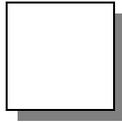


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## Black Burst Generators

### Introduction

Burst Electronics manufactures a series of NTSC (and PAL) Black Burst, Sync and Tone generators. Models are available that range from single output Black Burst (SG-2) up to five output Black Burst (SG-5).

<u>Unit</u>	<u>Outputs</u>	<u>Options</u>
SG-2	1 Video	Y/C, PAL
SG-4	4 Video, 1 Tone	Y/C, PAL
SG-5	5 Video	Y/C, PAL, Tone

### Single Output Black Burst Generator

The SG-2 Black Burst Generator is a single output unit. The output, which contains composite sync, color burst and 7.5 IRE setup (0 IRE in PAL) is a standard 1 Volt video signal. The SG-2 is used to drive Genlock inputs, laydown "black" on tape, or feed a video DA to distribute house black.



Options available: Y/C (S-VHS/Hi8), PAL

### Multi-Output B/B & 4V Sync Generator

The SG-4 Black Burst Generator has 4 stable black burst outputs suitable to drive Genlock inputs of the equipment in an edit suite. There is also a 1 kHz tone output. Each output is jumper selectable as either black burst or 4 Volt Sync.



The SG-5 Black Burst Generator has 5 black burst outputs. 1 kHz tone is an optional addition. The SG-4 and SG-5 can be rack mounted into any of the following rack mounts; RM-4, RM-334, or RM-344



Options available: Y/C (S-VHS/Hi8), PAL,  
1 kHz Tone, Rack Mount

### **Specifications**

Output: 1 Volt standard  
video NTSC (PAL)  
Output Impedance: 75 Ohms 1%  
Sync Tip: -40 IRE  
Burst:  $\pm 20$  IRE,  
3.579545 MHz  
(PAL: 4.433619 MHz)  
Setup: 7.5 IRE NTSC  
(0 IRE PAL)  
Video Connector: BNC (Y/C: 4 pin  
MiniDIN)  
Audio Connector: RCA (1 kHz, 0 dBm,  
1% THD)  
Output Protection: Open or Short,  
infinite duration  
Power Supply: 120 VAC 60 Hz, 3 Watts  
UL listed Wall Module  
(included)  
DC Powered: 11 to 18 Vdc  
Warranty: One Year Parts & Labor