

**BG2** NTSC Black Burst &  
**BG2CB** NTSC/PAL Black  
Burst & Color Bar Generators

**Manual Version 1.01**



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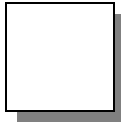
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BG-2 Black Burst  
BG-2cb Black Burst and  
Color Bar Generator.

Congratulations on your purchase of the Burst Electronics Model BG-2 Black Burst or the BG-2cb Black Burst and Color Bar generator. The BG-2 series video generator continues our line of low cost, high quality video synchronization generators for the broadcast professional.

#### BG-2

Key features include two (2) synchronous composite video outputs, NTSC video standard. The BG-2cb operates with a 120Vac 60Hz/240Vac 50Hz - 5Vdc center positive power supply (included with each unit) with a current draw less than 200mAdc.

#### BG-2cb

The BG-2cb is a more versatile device. Key features include synchronous composite video outputs. This model can be switched between NTSC or PAL, and selection between Black Burst and Full Field Color Bars. The BG-2cb operates with a 120Vac 60Hz/240Vac 50Hz - 5Vdc center positive power supply (included with each unit) with a current draw less than 200mAdc.

#### Operation

The BG-2 is simple to use. Connect the unit to the included 5Vdc power supply and push the Power switch up. The green LED on the front of the unit lights up, indicating the BG-2 has power. The composite video output connectors are immediately active when the BG-2 is powered.

The BG-2cb is just as simple to use. Connect the unit to the included 5Vdc power supply and push the Power switch up. The green LED on the front of the unit lights up, indicating the BG-2cb has power. The composite video output connectors are immediately active when the BG-2cb is powered. The "Up: Bars Dn: Black" switch allows the end-user to select either Full Field Color Bars (up) or Black Burst (down). An internal jumper labeled SW2 will allow the end-user to select either NTSC (center to interior of unit) or PAL (center to exterior of unit).

Optional Add-on Equipment includes either balanced (miniXLR connector) or unbalanced (RCA connector) 1kHz audio tone (Contact Burst Electronics for pricing and availability).

Video Outputs – The BG-2 and BG-2cb come standard with BNC connectors for composite video. If Y/C video is required, we can convert one or both connectors to MiniDIN (typical S-Video) connectors.

#### Specifications

##### BG-2

Power: 5Vdc @ < 200mA (120Vac 60Hz / 240Vac 50Hz – 5Vdc power supply).

Size: 2.75W x 1.15H x 4.5D inches

Video Outputs (composite): BNC; 1 Vp-p terminated in 75 Ohms (short circuit protected).

##### BG-2cb

Power: 5Vdc @ < 200mA (120Vac 60Hz / 240Vac 50Hz – 5Vdc power supply).

Size: 2.75W x 1.15H x 4.5D inches

Video Outputs (composite): BNC; 1 Vp-p terminated in 75 Ohms (short circuit protected)

(S-Video): MiniDIN; 1 Vp-p terminated in 75 Ohms (short circuit protected)

#### Optional Add-on

Balanced Tone: 1kHz (+/- 200Hz) @ 2Vp-p  
miniXLR connector

Unbalanced Tone: 1kHz (+/- 200Hz) @ 2Vp-p  
RCA connector

