

## SB-1102

### 1x2 VGA Distribution Amplifier (VGA Booster)

Input : 1x VGA (RGBHV)

Output : 2x VGA (RGBHV) with Booster, 1x VGA Preview Output

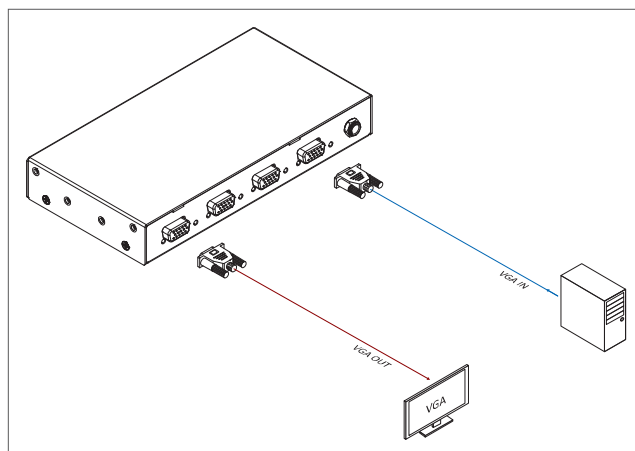
VGA EQ / LEVEL AMPLIFIER



#### INTRODUCTION

SB-1102 is a 1x Input to 2x Outputs for VGA (RGBHV) signals distribution amplifier and 2xVGA outputs support booster function. For HD high resolution VGA(640x480) SVGA (800x600), XGA(1024x768), SXGA(1280x1024) UXGA(1600x1200), WUXGA(1920x1200) Plasma Display or Monitor. Also support full HD resolutions for 480i, 480p, 576p, 720p, 1080i and 1080p HDTV. An ultrahigh speed current feedback amplifier with a phenomenal 5500V/us, slew rate that results in a rise time of 545ps making it ideal as a pulse amplifier. The high slew rate reduces the effect of slew rate limiting and results in the large signal Bandwidth 440MHz(G=+2) Small signal Bandwidth (-3dB), 1000MHz (G=+1) delivers computer resolutions up to 2048 x 2048. Input and output connectors are HD-15 female type. Support wall mountable metal cases, 1 inch high. All units are +12VDC powered and the power switch supply for 100~240VAC 50/60Hz CE,FCC approval adaptor is included.

#### DIAGRAM TYPICAL



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#### FEATURES

01. Support 1 input to 2 outputs of Signal VGA (RGBHV) Distribution Amplifier
02. Support 2x VGA Booster output function, 1x VGA Preview
03. Low Distortion over Wide Bandwidth Large Signal Bandwidth 440MHz, G=+2, Small signal Bandwidth 1GHz (-3dB) G=+1
04. High VGA resolutions for VGA, SVGA, XGA, UXGA, WUXGA (1920x1200) maximum up to 2048 x 2048 resolution
05. High Definition HDTV resolutions for 480p, 720p, 1080i and 1080p (1920x1080)
06. Support Lower power consumed full load under 500mA
07. Support EQ and LEVEL adjustable +/- 6dB
08. Terminal via HDdB15P Female connector
09. Safety approvals via test passing CE, FCC, REACH, Erp, WEEE
10. Power Supply : Universal switching DC12V, 0.42A

#### SPECIFICATIONS

Type of Amplifier	1 input to 2 outputs VGA Distribution Amplifier
Type of Signals	VGA (RGBHV) via HD-15p via HD-15P female connectors
Large Signal Bandwidth	440MHz, G=+2
Small signal Bandwidth	1GHz (-3dB) G=+1
Settling Time	10 ns to 0.1%, 2 V Step, G=+2
Scan rates accepted	50Hz or 60Hz
Resolutions	VGA, SVGA, XGA, UXGA, WUXGA 1920x1200
Color Control	EQ and LEVEL adjust via 2x 1K Ohms VR on front panel
Safety Approvals	CE, FCC, REACH, Erp, WEEE
Dimension (WxDxH)	6.88" x 3.14" x 0.98" (175mm x 80mm x 25mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @0.5A (World Wide Universal AC 100~240V 50/60Hz)