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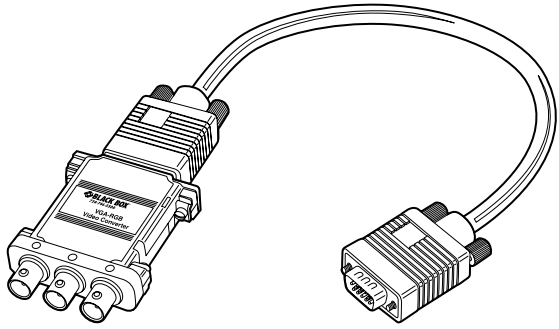
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OCTOBER 2002
AC312A

# VGA to RGB Video Converter



The VGA to RGB Video Converter is designed to take standard VGA-compatible video signals (incuding separate horizontal and vertical sync, as output by a computer or other device with an HD15 connector) and convert them to RGsB video signals (including composite sync on green, to be input by a monitor or other device with three BNC connectors).

To install the Converter, first run the included 1-ft. (30.5-cm) HD15 male-to-male cable from the Converter's HD15 female VGA-input connector to the HD15 female VGA-output connector of a computer, video or KVM switch or extender, VGA splitter, or similar device. (Both of the cable's connectors have thumbscrews, so you can fasten the cable securely at both ends.) Then run a cable with three BNC male connectors on each end (or three cables with a single BNC male on each end) from the Converter's three color-coded BNC female connectors to the three BNC female connectors on your RGB monitor or other RGB input device. Make sure that the red RGB cable strand is connected to the devices' red connectors, the blue cable strand to the blue connectors, and the green cable strand to the green connectors.

See the back of this sheet for the Converter's specifications.

**CUSTOMER SUPPORT INFORMATION**

Order **toll-free** in the U.S.: Call **877-877-BBOX** (outside U.S. call **724-746-5500**)
FREE technical support 24 hours a day, 7 days a week: Call **724-746-5500** or fax **724-746-0746**
Mailing address: **Black Box Corporation**, 1000 Park Drive, Lawrence, PA 15055-1018
Web site: **www.blackbox.com** • E-mail: **info@blackbox.com**

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## Specifications

| | |
|---|---|
| **Standards:** | Accepts VGA, SVGA, XVGA, XGA®, or XGA-2 video |
| **Interfaces:** | VGA, RGsB (“sync on green”) |
| **Bandwidth:** | 145 MHz, to support up to 1600 x 1280 resolution at up to 75 Hz |
| **Signal Levels:** | VGA input: 1.0 Vpp for the video signals, TTL for the sync signals;<br>RGsB output: 1.0 Vpp for all signals, including composite sync injected on green at greater than 236 millivolts |
| **Impedance:** | Video signals: Pass-through;<br>Sync signals: 12 kiloohms (characteristic TTL impedance) |
| **Maximum Distance:** | Up to 6 ft. (1.8 m) of cabling from the VGA video source to the Converter; maximum distance from the Converter to the video destination will depend on the strength of the source and the quality of the cabling |
| **User Controls:** | None |
| **Indicators:** | None |
| **Connectors:** | (1) HD15 female (must be extended with included 1-ft. [30.5-cm] HD15 male-to-male cable) and (3) color-coded BNC female |
| **Enclosure:** | Molded metalized plastic with ABS plastic and aluminum end caps |
| **Power:** | From VGA interface |
| **Size:** | 0.7"H x 2.1"W x 2.9"D (1.8 x 5.3 x 7.4 cm) |
| **Weight:** | 10.5 oz. (298 g) with included cable or 6 oz. (170 g) without |

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