

How to Use the 9A65 Component to RGB Video Converter

Converts component video on three RCA jacks to RGB video on a VGA connector.

The Model 9A65 allows component video sources to be connected to direct view and projection video displays that require RGB inputs. These sources may include standard and progressive-scan DVD players, cable boxes, satellite and off-air settop boxes, games and HD VCRs. The RGB output on the 9A65 can be connected using a standard VGA cable (not included). If the display is equipped with BNC inputs, a special breakout cable available from Audio Authority (part# 802-449) can be used (see Figure 1). Color decoding complies with SMPTE standards for both standard and high-definition formats.

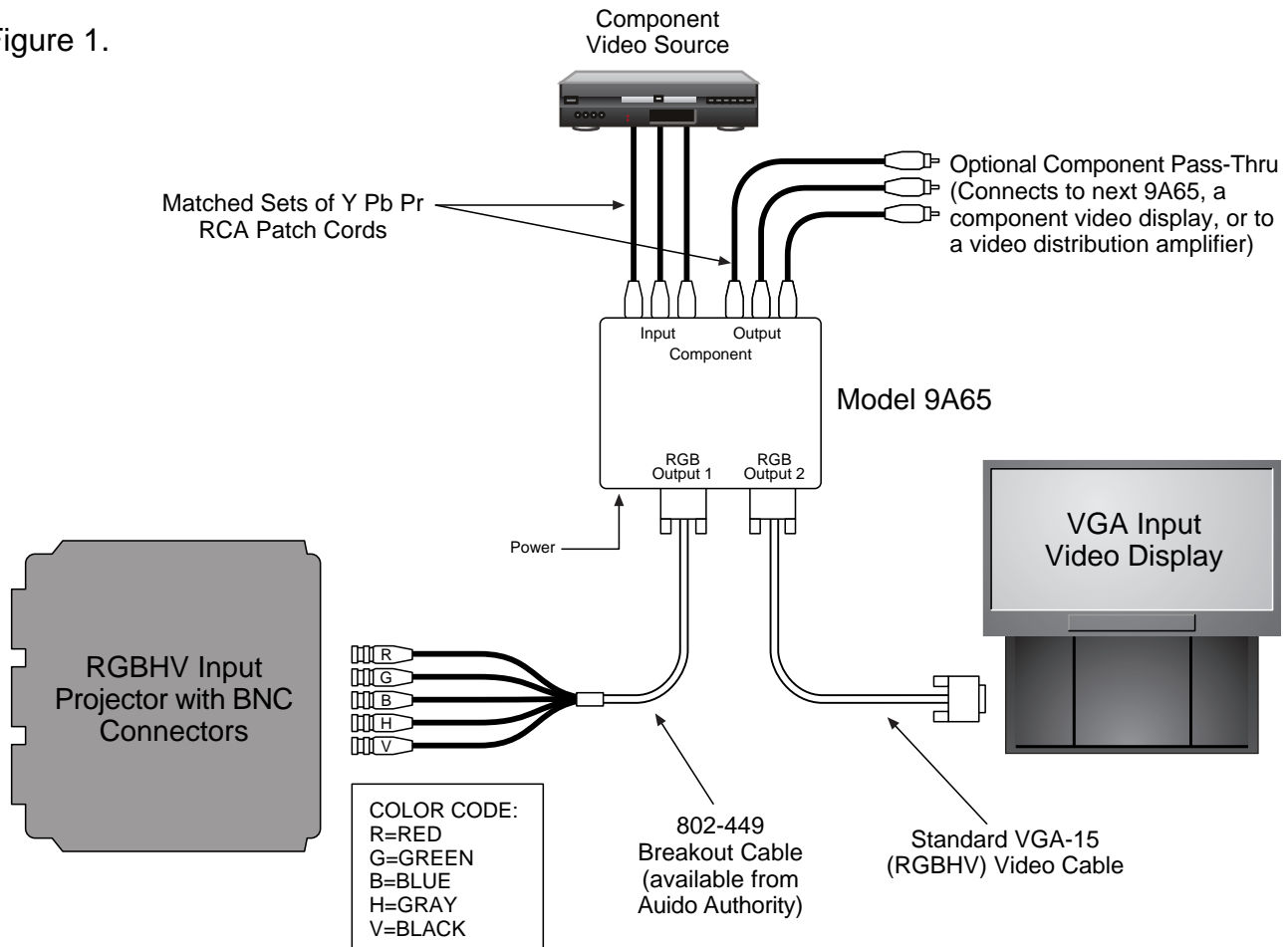
The 9A65 is not a format converter--it passes the horizontal and vertical synchronization timings and picture content to the outputs without modification. Whichever format is being delivered by the source must be accepted by the display device. The LED array on the 9A65 indicates which format is being passed.

Installation

Connect the source to either set of 9A65 input jacks. Use the included cables or other high quality matched sets of component video patch cords. Next connect video display(s) to one or more of the RGB outputs, using a VGA cable which matches the input configuration on the video display on the other end.

Adjust the Output Mode switches (see Figure 2) to match the input configuration on the RGB video display and apply AC power. Note: The Output Mode Switches affect both outputs equally.

Figure 1.



Output Sync Modes

The 9A65 offers three output sync modes: RGBHV, RGBS and RGsB. Output Mode Switch 1 selects whether horizontal (RGBHV) or composite (RGBS) sync appears on the H output pin. Output Mode Switch 2 turns on sync insertion to the Green channel for RGsB applications. Choose the sync mode that matches the requirements of your display device as follows:

- RGBHV--Red, Green, Blue with separate Horizontal and Vertical sync
- RGBS--Red, Green, Blue, with separate composite Sync on the H output
- RGsB--Red, Green, Blue, with composite sync on the Green channel.

Leave the RGsB switch off unless your display requires sync-on-green.



Figure 2.

Specifications (subject to change without notice)

- Input: Y Pr Pb Component video on RCA jacks
- Component Output: Component video on RCA jacks.
- Video Input: Y= 1 volt p-p (video plus sync), Pr= .7 volt p-p, Pb= .7 volt p-p
- Synchronization Input: negative composite bi-level or tri-level sync on Y input
- Output: RGB video/sync on standard HDB-15 VGA connector
- Color: 480i/480p per SMPTE 170M, 720p/1080i per SMPTE 274M
- Video Output: .7 volt p-p
- Synchronization Output:
 - RGBHV, separate horizontal and vertical negative TTL sync
 - RGBS, composite negative TTL sync on H output pins
 - RGsB, .3v negative sync added to Green video
- Dimensions: 5.50" H x 4.25" W x 1.80" D, not including mounting flanges
- Included accessories: 6-foot RGB RCA patch cable, 6-foot VGA-to-5 BNC cable, 12 volt DC power supply.



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Other Audio Authority Converters

- Model 9A60 VGA to Component Video Converter
- Model 1154A Signal Sensing Component Video A/V AutoSelector, with automatic optical/coax conversion
- Model 1155 Signal Sensing A/V AutoSelector, with automatic optical/coax conversion
- Model 1177 Signal Sensing Digital Audio AutoSelector, with automatic optical/coax conversion
- Model 977R Optical to Coax Digital Audio Adapter
- Model 977T Coax to Optical Digital Audio Adapter

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