

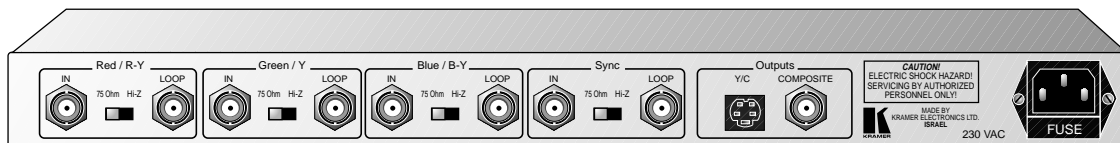
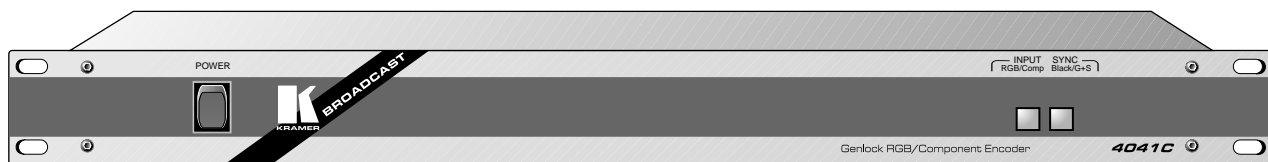
# Genlock Component Encoder BC-4041C

The KRAMER **BC-4041C** is a full broadcast, state-of-the-art *Genlock RGB / Component to Composite Video/YC Encoder* designed for studio and other demanding applications. The **BC-4041C** encodes *RGBS* or Component *Y, R-Y* and *B-Y* signals to Composite Video and Super-Video signals. All inputs are looped through with termination switches, allowing for parallel connection to other *RGBS / Component* acceptors.

The **BC-4041C** allows the user, by front panel switches, to select whether Sync is separate or riding on Green. The user can also select whether to convert *RGBS* or Component signals to Composite and *Y/C*. The outputs are DC coupled and Black-Level clamped.

## Some features and applications:

- ❖ Video Production studios, converting between *RGBS* or Component video to Composite/Super-Video, delivering high quality outputs.
- ❖ Graphics workstations converting high-resolution graphics, text and animations to video.
- ❖ Superb quality Black Burst Generator, when no *RGB* inputs exist.



## Technical Specifications:

<b>INPUTS:</b>	Red (or R-Y), Green (or Y), Blue (or B-Y) - 0.7Vpp/75 Ω and Sync - 0.3Vpp/75Ω looping, on BNCs with termination switches.
<b>OUTPUTS:</b>	1Vpp/75 Ω Composite Video on a BNC connector, 1Vpp/75 Ω Luma (Y), 0.3Vpp / 75 Ω Chroma (C) on a 4P connector.
<b>CONTROLS:</b>	Sync/Sync on Green, input selector - <i>RGBS</i> or Y, R-Y, B-Y.
<b>DIFF. GAIN:</b>	0.24%
<b>DIFF. PHASE:</b>	0.26 Deg.
<b>VIDEO BANDWIDTH:</b>	Exceeding 12 MHz (Y).
<b>NON LINEARITY:</b>	Less than 0.5 dB.
<b>DC CLAMP:</b>	0 VDC Black Level.
<b>RESIDUAL SC:</b>	-34dB.
<b>DIMENSIONS:</b>	19 inch, 1 U, rack mountable.
<b>POWER SOURCE:</b>	230 VAC, 50/60 Hz, (115VAC, U.S.A.)