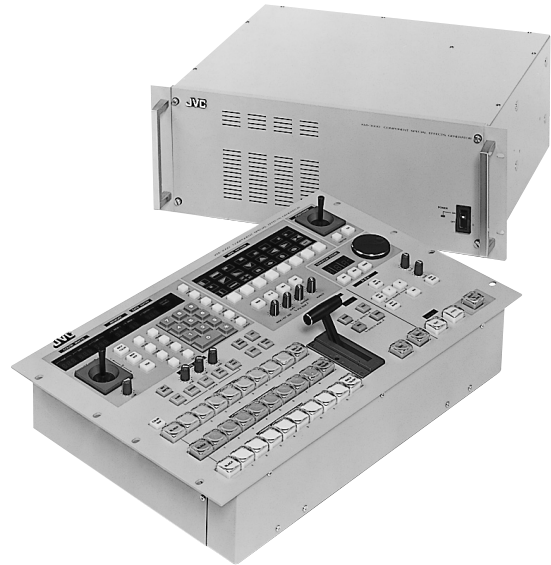


# Component Special-Effects Generator

## KM-3000U

(Please check for world-wide availability)

- Component processing.
- 8-Input component mixer, inputs 6, 7 and 8 also accept R.G.B. signals.
- Outputs in three different signal formats (component signals, composite and Y/C signal)
- Soft Linear a Chroma key, external key and luminance key also possible
- Auto and manual transition: Special effects, downstream keys and fades can be operated either automatically or manually.
- The transition time in the auto mode can be set 0 to 999 frames with rotary dial or 10-digit key pad
- Color matte generation for border, background color and downstream key
- Built-in data memory (up to 16 events and 24 colors)
- 3-Mode composite effects can be mixed by leaving both the Background and Key switches on and actuating one extra effect.
- Interfaces with most VCR editing controllers (RS-422 & GPI)
- 23 Different wipe patterns



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Video inputs Program x 8 Y: 1.0 Vp-p, 75 ohms R-Y/B-Y: 0.7 Vp-p (100% color bar), 75 ohms R-Y/B-Y: 0.486 Vp-p (75% color bar) with 7.5% setup) 75 ohms	Wipe patterns 23 patterns	Variable duration time EFE, DSK, fade (0-999 frames)
Key x 2 VB: 0.7 Vp-p, 75 ohms Ext key x VB: 0.7 Vp-p, 75 ohms or High Ext wipe x 1 VB: 0.7 Vp-p, 75 ohms or High	Frequency response 60-5.5 MHz/±0.3 dB	Spotlight Use wipe patterns for key mask
Video output Program Component x 2 Y: 1.0 Vp-p, 75 ohms R-Y/B-Y: 0.7 Vp-p (100% color bar), 75 ohms 0.486 Vp-p (75% color bar with 7.5% setup), 75 ohms	Delay deference ± nS between each channels	Key Mask Use wipe patterns for spotlight
Composite x 1 VBS: 1.0 Vp-p, 75 ohms Y/C output x 1 Y = 1.0 Vp-p, 75 ohms C = 0.286 Vp-p, 75 ohms (burst level)	Signal to noise ratio More than 60 dB (100 KHz-4.5 MHz) measured by Rohde Schwartz noise meter	Effects Preview Key preview and background preview possible
Preview Component x 1 Y: 1.0 Vp-p, 75 ohms R-Y/B-Y: 0.7 Vp-p (100% color bar), 75 ohms 0.486 Vp-p (75% color bar with 7.5% setup), 75 ohms	Cut Cut 8 inputs	Event memory Up to 16 events memory provided
Composite x 1 Key hole x 1 VBS: 1.0 Vp-p, 75 ohms BD: 0.7 Vp-p, 75 ohms	Mix (dissolve) Manual fader or auto	Data entry key Use ten key pad for data entry (hue, sat, lum, duration, wipe width, event no.)
Genlock input B.b. x 1 VBS: 0.43 Vp-p, 75 ohms or High	Wipe Hard, soft, border, softborder	Rotary dial Change duration time (0-999 frames) EFE, DSK, Fade
Sync output B.B. x 3 VBS: 0.43 Vp-p, 75 ohms	Positioner Wipe Effective to 4 wipe patterns, centering function provided	Editor interface RS-422 serial interface equipped
Fader output Fader DC voltage x 1, 0-5V DC	Chroma Key Hue, clip, gain adjustable	GPI interface EFE, DSK, fade, SEL
	Luminance Key Clip, gain adjustable	Power consumption 120 V AC, 50/60 Hz 95 W (main unit), 28 W (control unit)
	Color matte generator Back color, border color, DSK color, hue, sat lum adjustable	Dimensions Control unit: 482 (W) x 150.5 (H) x 310 (D) mm, (19" x 5-15/16" x 12-1/4") Main unit: 482L 482 (W) x 180.5 (H) x 410 (D) mm (19" x 7-1/8" x 16-3/16")
	Color bar generator 75% Color bar (full field), black or color bar switchable	Weight Control unit: 6.5 kg (14.4 lbs.) Main unit: 14.5 Kg (32.0 lbs.)
	DSK Input Input 1-8 selectable	
	DSK mask Use wipe patterns for DSK mask	
	DSK preview DSK preview push switch provided	

## Border Generator

### KM-E300U

(Please check for world-wide availability)

- Border Generator for KM-300U/KM-1600U/KM-D600U
- All border, shadow and outline effects are available in two different widths
- Two built-in color matte generators
- Border intensity control to produce same-transparent effect edges (KM-3000U only)
- Slice level and gain of the key source are adjustable
- Edge position adjustment
- Two output signal modes are electable (Y/R-Y/B-Y/KEY or R/G/B/KEY)



All model numbers, specifications and prices are subject to change without notice.

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