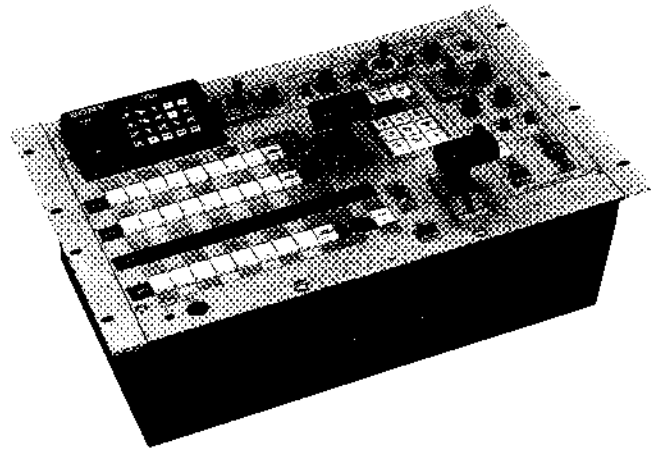


# SEG-2550AP

**E-File**

## Colour special effects generator

•The SEG-2550AP is a compact and cost effective special effects generator for program production and post production •The E-File function, which memorizes and reproduces the setting of switches and buttons and the movement of the controls, levers and sticks, is adopted •Interface capability with the BVE-900/910 automatic editing control unit and an external computer •A total of 137 versatile wipe patterns •Wipe pattern modifiers such as the positioner, the border wipe, softness border edge, echo/pairing wipe, and mosaic wipe are provided •8 video inputs and 4 bus lines (A, B, PGM and PST) for special effects (MIX, WIPE, and EXTERNAL KEY) •Built-in background colour •Built-in downstream keyer (DSK) •Independent colour generation for DSK •Shadow and edge adjustment for the key signal •Built-in sync generator •4 black burst signal outputs for synchronization of video equipment •SC and H phase indicators for easy phase adjustment •19-inch rack mountable •Torque adjustment of the effects levers

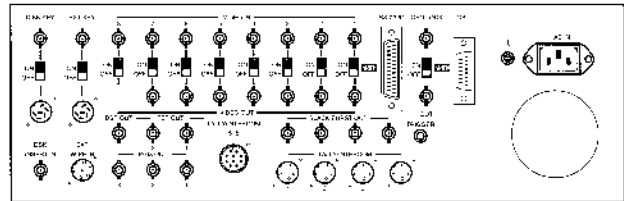


Supplied accessories:  
 AC power cord  
 Wipe pattern list  
 CCJ connector for tally/intercom  
 Designation label  
 D-sub (15-pin) connector  
 Transparent Designation Chips  
 White Seal

## Specifications

Power requirements: AC 220 to 240V, 50/60Hz  
 Power consumption: 92W  
 Operating temperature: 0 to 40°C (32 to 104°F)  
 Dimensions: Approx. 481 (W) × 155.5 (H) × 310.4 (D) mm  
 (19 × 6 1/8 × 12 1/4 inches)  
 Mass: Approx. 14.5 kg (31 lb 15 oz)  
 Video signal system: PAL  
 Switching system: Vertical blanking switcher  
 Effects: MIX

Mixing by PGM/PST MIX lever and the EFF lever  
**WIPE**  
 137 wipe patterns (selectable)  
 Wipe edge: The softness is continuously variable  
 Border: Hue, chroma, luminance and width are continuously variable  
 Pairing: Scanning lines 2 lines/3 lines/4 lines (selectable)  
 Echo: Possible  
**EXT KEY**  
 Output signal (DIN, 6-pin)  
 HD, VD, 4Vp-p, 75Ω, unbalanced  
 Input signal (BNC type and DIN, 6-pin)  
 0.7Vp-p (video), 1Vp-p (VS), 75Ω, unbalanced with 75Ω termination switch  
 EXT KEY connector (BNC type and DIN, 6-pin) with 75Ω termination switch  
 Slicer circuit is included (Clip level is variable)  
**DOWNSTREAM KEYER**  
 Output signal (DIN, 6-pin)  
 HD, VD, 4Vp-p, 75Ω, unbalanced  
 Input signal (BNC type and DIN, 6-pin)  
 0.7Vp-p (video), 1Vp-p (VS), 75Ω, unbalanced  
 DSK KEY connector: (BNC type and DIN, 6-pin) with 75Ω termination switch  
 Shadow: Wide and narrow (selectable)  
 Edge: Variable  
 Colour matte: Continuously variable  
 Chroma: Approx. 0 to 700mVp-p (variable according to the hue level)  
 Hue: 0 to 360°  
 Luminance (Y): Approx. 50 to 700mV continuously variable  
**BACKGROUND COLOUR**  
 Chroma: Approx. 0 to 700mVp-p (variable according to the hue level)  
 Hue: 0 to 360°  
 Luminance (Y): Approx. 50 to 700mV continuously variable



Downloaded from: [www.broadcast-trader.com.au](http://www.broadcast-trader.com.au)

**Input signal:**  
 VIDEO IN 1 to 8 connectors (BNC type) × 8  
 0.7Vp-p (VB) or 1Vp-p (VBS), 75Ω, unbalanced with 75Ω termination switches  
 (The INDICATION selector does not function with the VB input signal.)  
 GENLOCK IN connector (BNC type) × 1  
 0.3V/0.3V (BS) or 1Vp-p (VBS), with 75Ω termination switch  
 DSK INSERT IN connector (BNC type) × 1  
 1Vp-p (VS)  
 EXT WIPE IN connector (DIN, 6-pin) × 1  
**Output signal:**  
 VIDEO OUT 1 to 8 connector (BNC type) × 8  
 1Vp-p (VBS), 75Ω, unbalanced (loop-through output of the corresponding VIDEO IN connector)  
 PGM OUT 1 to 3 connector (BNC type) × 3  
 1Vp-p (VBS), 75Ω, unbalanced  
 PST OUT 1 to 2 connector (BNC type) × 2  
 1Vp-p (VBS), 75Ω, unbalanced  
 GENLOCK OUT connector (BNC type) × 1  
 (loop-through output of GENLOCK IN connector)  
 DSP OUT connector (BNC type) × 1  
 1Vp-p (VS), 75Ω, unbalanced  
 BLACK BURST OUT 1 to 4 connector (BNC type) × 4  
 0.3V/0.3Vp-p (BS), 75Ω, unbalanced  
**Tally/Intercom:**  
 TALLY/INTERCOM 1 to 4 connector (DIN, 4-pin) × 4  
 TALLY/INTERCOM 5 to 8 connector (CCJ, 10-pin) × 1  
 Maximum pick-up value in a relay: 24V 200mA DC  
**Trigger:**  
 TRIGGER (Special minijack) × 1  
 TAKE function by earth  
 (OPEN: +5V, impedance 65kΩ)  
**GPI:**  
 GPI (D-sub, 15-pin) × 1  
 TAKE function, PGM DSK Cut-in/out by earth  
 OPEN; ±5V, impedance 65kΩ  
**RS-232C:**  
 9600 baud (fixed), DTE (terminal),  
 Signal level ±9V  
**DG:**  
 Less than 1%  
**DP:**  
 Less than 1"  
**Crosstalk:**  
 Over -50dB  
**Frequency response:**  
 8MHz ±0.5dB