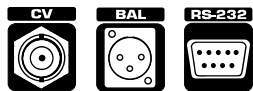


SG-6005 Black Burst/Bar/Audio Generator



The Kramer **SG-6005** is a broadcast quality multi-standard black burst, color bar, sync and audio generator designed for a variety of video studio applications. It is exceptionally full featured, offering six identical black burst outputs, a color bar output, a user programmable color matte, horizontal and vertical sync outputs, as well as balanced and unbalanced 1kHz, crystal stabilized audio outputs. The unit may be genlocked to an external video reference or it may operate as a stand-alone generator based on its high precision timing components. It uses digital synthesis technology for signal generation and allows full SCH/Phase control, delay of output relative to the genlock input and additional delay of the sync outputs. The **SG-6005** may be RS-232 controlled from a PC, and firmware is easily upgraded using a computer. The required SCH/Phase shifts and delay may be displayed on a large seven-segment LED display. The number of outputs may be increased by using a Kramer video distribution amplifier like the VM-1010, VM-1015, or VM-1021, etc.



TECHNICAL SPECIFICATIONS

INPUT:	1 genlock video, looping, 1Vpp/75 Ω , on BNC connectors with a termination switch.
OUTPUTS:	6 black burst signals, 0.3Vpp/75 Ω , (sync); 1 color bar output 1Vpp/75 Ω . 2 x 1kHz, + 4dBm/47 Ω outputs on XLRs, 2 x 1kHz, 1Vpp/100 Ω outputs, RCA connectors.
COLOR BAR:	13 selectable patterns.
PHASE ERROR:	1 Deg.
S/N RATIO:	73dB.
CONTROL:	H control: +/- 1/2 line, 37nS steps; V control: 15.5 lines, 0.5 line steps. SCH control: 360 Deg, by front touch switches. RS-232 control.
SYNC OSCILLATOR:	Crystal controlled.
SC OSCILLATOR:	Crystal controlled.
SYNC/SC:	Fully Genlocked.
STABILITY:	+/- 2ppm.
POWER SOURCE:	230VAC, 50/60Hz, (115VAC, U.S.A.) 10VA.
DIMENSIONS:	19 inch (W), 7 inch (D), 1U (H) rack mountable.
WEIGHT:	2.5kg (5.5lbs) approx.
ACCESSORIES:	Power cord.
OPTIONS:	Kramer distribution amplifiers for additional burst or bar outputs.

TYPICAL APPLICATIONS

- Studio master genlock to one stable source.
- Black or color bar reference for professional video cameras that need a stable reference.
- Test and alignment tool for professional video/audio equipment.
- Color bar generator as filler for recording in a duplication studio.

