

CO-465 Universal SPG Changeover Switch

The CO-465 is a universal automatic SPG changeover unit intended for use with the Utah Scientific range of SPG, Test Pattern & Time reference generators. It can be configured as 6 or 12 measured channels in a 1RU rack. All channels measure both the “primary” and “backup” signals. The standard unit is supplied with two hot-swappable power supplies for maximum redundancy. The power supplies are directly accessible from the front panel.



To allow for mixed format requirements and offer maximum flexibility, each channel can be set to measure analog color black, standard definition SDI video, high definition SDI video, high definition 3G video or AES/EBU audio (75Ω).

Each channel has a primary input, a backup input and a common output and a relay that switches one of the input channels to the common output.

FEATURES

- Choose either 6 or 12 channels in 1U
- Front panel visual fault indication
- Manual override facility
- All channels can measure analog color black, SD & HD SDI, 3G SDI, HD Tri-level sync, Timecode, & AES/EBU Audio
- Dual redundant hot swappable PSU's
- All channels user configurable
- Clear fault indication on front panel LCD
- All channels will switch if one channel fails

SPECIFICATIONS

Conforms to relevant EBU, CCIR or SMPTE specifications.

Input (per channel)

Primary (terminating BNC)
Backup (terminating BNC)

Output (per channel)

BNC (single)

Controls and Indicators

LCD display, rotary knob & switch

Changeover Threshold

Analog color black: On loss of signal
Serial digital video: On loss of signal
AES/EBU audio: On loss of signal
HD Tri-level sync: On loss of signal
Timecode: On loss of signal

Return Loss

Better than 36dB @4.43 MHz

Isolation

Better than 60 dB, both directions on all channels to 1.5 GHz

Mechanical

Height: 1 rack unit
Width: 19" rack mounting
Depth: 15" (overall)
Weight: 13.25lb (unpacked)

Power

Depends on fitted options
40 Watts maximum

Ordering information

CO-465/1U6: 6 channel SPG changeover unit with redundant PSU

CO-465/1U12: 12 channel SPG changeover with redundant PSU

CO-465/06: Additional 6 channel option for CO-465/1U6

