

Sync Changeover Switch

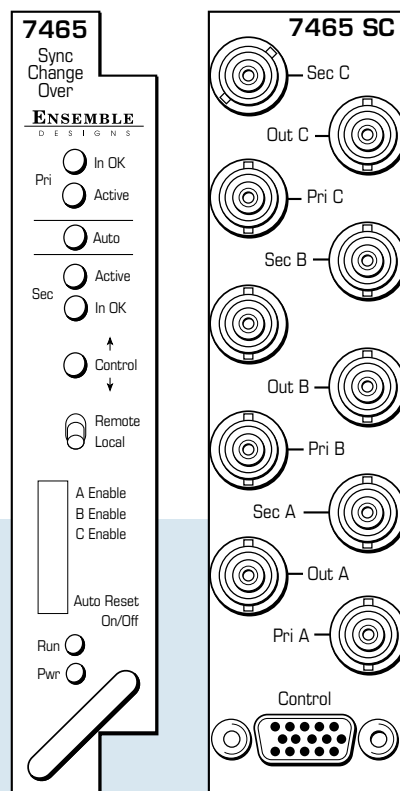
The 7465 Sync Changeover Switch module can be used with Avenue's 7400 SPG module, 5400 SPG module, or with third party sync pulse generators. In the event of a failure of the primary sync source, the 7465 changes to the secondary source.

There are three poles or sections on the 7465. One pole tests for HD SDI, SD SDI, ASI and SMPTE 310M signals. The other two poles test for AES audio, Composite video, Bi-Level Sync and Tri-Level Sync. A drop in signal amplitude below a predetermined auto threshold will trigger the switch.

Multiple changeover switches can be ganged together through the control system. Depending on the application, two or more 7465s may be required to handle all signals that need to be protected.

Features

- » 3 poles for signal testing
- » Use with HD SDI, SD SDI, analog composite, AES audio, DVB-ASI, SMPTE 310M, Bi-Level Sync and Tri-Level Sync signals
- » Gang multiple 7465s together as needed
- » Passive design
- » GPI inputs for remote manual override
- » GPI outputs to indicate signal status and switch position



Input Signals

Number	Six
Signal Type	HD Serial Digital 1.485 Gb/s SMPTE 274M, 292M or 296M, SD Serial Digital 270 Mb/s SMPTE 259M, Analog Composite, DVB-ASI, SMPTE 310M, AES Digital Audio, Bi-Level Sync or Tri-Level Sync, selectable
Impedance	75 Ω
Return Loss	>15 dB DC to 1.485 Gb/s
Automatic Cable Input Equalization	

Output Signals

Number	Three
Signal Type	Follows input
Impedance	75 Ω
Return Loss	>15 dB DC to 270 MHz

Switcher Characteristics

Type	75 Ω RF Relay
Insertion Loss	<0.5 dB

General Specifications

Connectors	BNC
Power Consumption	<7.0 watts
Temperature Range	0 to 40°C ambient (all specs met)
Relative Humidity	0 to 95%, noncondensing
Altitude	0 to 10,000 ft
Fusing	1.5 Amp PTC resettable fuse

HD Standards Supported

- 1080i (SMPTE 274M -4,5,6) 50, 59.94 or 60 Hz
- 720p (SMPTE 296M -1,2,3) 50, 59.94 or 60 Hz
- 1080p (SMPTE 274M -9,10,11) 23.98, 24, 25 Hz
- 1080sF (RP211 -14,15,16) 23.98, 24, 25 Hz

