

# 9465

## 3G Sync Changeover

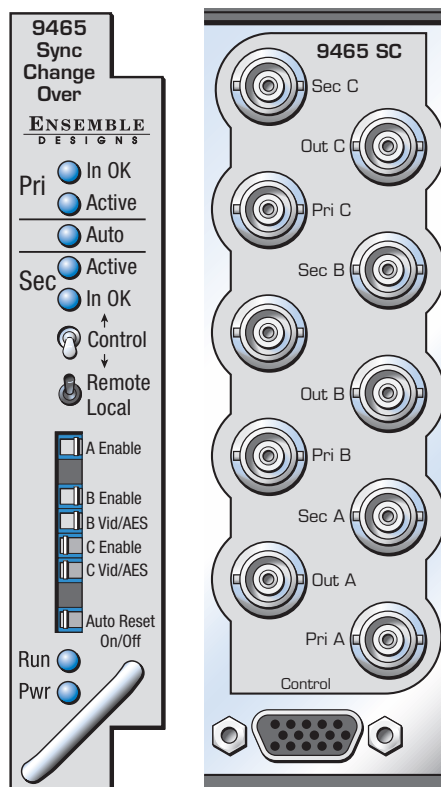
The 9465 3G Sync Changeover module can be used with Avenue's 9400 SPG module, 7400 SPG module, or with third party sync pulse generators. In the event of a failure of the primary sync source, the 9465 changes to the secondary source.

There are three poles or sections on the 9465. One pole tests for 3 Gb/s or 1.5 Gb/s 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 9465s may be required to handle all signals that need to be protected.

### Features

- **3 poles for signal testing**
- **Use with 3 Gb/s and 1.5 Gb/s HD SDI, SD SDI, analog composite, AES audio, DVB-ASI, SMPTE 310M, Bi-Level Sync, Tri-Level Sync and LTC signals**
- **Gang multiple 9465s and 7465s together as needed**
- **Passes embedded audio**
- **Passive design**
- **GPI inputs for remote manual override**
- **GPI outputs to indicate signal status and switch position**



**Input Signals**

Number	Six
Signal Type	270 Mb/s SD Serial Digital, SMPTE 259M 1.485 Gb/s HD Serial Digital, SMPTE 274M, 292M or 296M 2.97 Gb/s HD Serial Digital, SMPTE 424M, 425M Analog Composite DVB-ASI, SMPTE 310M AES Digital Audio, LTC, Bi-Level Sync or Tri-Level Sync, selectable
Impedance	75 Ω
Return Loss	>15 dB to 1.485 GHz
Automatic Cable Input Equalization	

**Standards Supported**

- 1080i 50, 59.94 or 60 Hz, SMPTE 274M -4,5,6
- 720p 50, 59.94 or 60 Hz, SMPTE 296M -1,2,3
- 1080p 23.98, 24 or 25 Hz, SMPTE 274M -9,10,11
- 1080p 50, 59.94 Hz, SMPTE 424M, 425M, Level A, Level B
- 1080sF 23.98, 24 or 25 Hz, RP211 -14,15,16
- 625i 50, 525i 59.94

**Output Signals**

Number	Three
Signal Type	Follows input
Impedance	75 Ω
Return Loss	>15 dB to 1.485 GHz

**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
9465 module cannot be installed in slot 3 of a 1RU frame when 5035 System Control module is installed	

