Local/Network Controlled Independent 4-channel Stereo Audio or Stereo-Audio-Follow-Video/RF Switching System.

DESCRIPTION
Monroe Electronics’ Model R197A and Model R197AV products provide four (4) independent balanced stereo audio (197A) or balanced stereo audio and video/RF (R197AV) switches in a single 1 RU frame.

Each of the four independent relay channels contains a 2 x 1 (A/B) balanced stereo audio relay switch and a single-pole double-throw dry contact relay. The Model 197AV also includes a 2 x 1 (A/B) video/RF switch with flat frequency response from DC to 1GHz.

Each independent relay channel is controllable by individual contact closures pulled to ground or a TCP/IP (Ethernet) LAN interface enabling each channel to be controlled locally or remotely over any TCP/IP network.

Using local General Purpose Input devices such as a Monroe Electronics Timer or host of other similar DEVICES the R197A/R197AV can switch program audio/video to alternate channels for blackout switching, program isolation, or multichannel EAS program switching.

Over a network connection a Monroe One-Net™ or Digital Alert Systems DASDEC™ can directly control EAS audio and other switching devices by each relay channel. Network settings are easy using any standard web browser and the built-in web server configuration page. No special software or cables are necessary.

The R197A/R197AV is conveniently powered by a single wall-mounted power supply (included). A secondary (diode-isolated) power input is provided to accommodate an optional redundant wall-mounted power supply.

*Some applications may require separate distribution amplifier(s) – not included.
**SPECIFICATIONS**

**Analog Audio Inputs** (per Relay channel)
- Separate right and left balanced stereo audio
  - Normally Closed (NC) Normally Open (NO) and Common (COM)

**Outputs** (varies by configuration settings)
- One-pair (1) L & R balanced 600 ohm stereo audio (Master Input) female XLR
  - Connections by detachable screw terminal strip 9-pin detachable terminal strip per channel

**Audio Isolation**
- >90 dB

**Attenuation**
- < 0.01 dB

**Audio Relays Contact Rating**
- 30 VDC max.; 1A max.

**GPO (General Purpose Outputs)**
- (per Relay channel)
  - Normally Closed (NC) Normally Open (NO) and Common (COM)

**Video R197AV Only**
- Two Video/RF inputs per relay channel switch - Normally Closed (NC) Normally Open (NO)
- One Video/RF output Common (COM) per relay channel
- All Video/RF connections via high-quality “F” style connectors

**Return-loss**
- > 22 dbmV

**Frequency Response**
- 0 to 1GHz

**CONTROLS**

**LAN Interface** TCP/IP Ethernet
- One (1) 10/100/1000BASE-T Ethernet IEEE 802.3
- RJ-45 connectors suited for wiring CAT-5 or above
- Port features green link & amber data indicators
- Assignable IP addressing either fixed or DHCP (unit ships fixed at 192.168.0.2)

**GPI (General Purpose Inputs)**
- One (1) contact closure input per channel
- Contact Closure input voltage (high): + 7 to +12 VDC
- Contact Closure input voltage (low): < +2VDC
- Max Sink Capability: < 2.4 mA
- 9-pin detachable terminal strip (shared with power inputs)

**Front Panel Indicators**
- Relay Active one per channel – Red
- Power – Green

**Physical Attributes**
- 19.0” W x 7.0” D x 1.75” H
  - (1RU EIA rackmount)

**Power Requirements**
- External wall mounted transformer input 100-240 VAC ±2%, 50-60Hz
- Supplies +12V DC @ <300mA (UL/CSA approved)

**Weight**
- 5.0 lbs