# Switching Systems

*SR10, SR11 & SR12 — Audio switchers for SR1 Audio Analyzer*

*SR10 & SR11 front panels*

## SR10, SR11 & SR12 Switchers

- **Balanced and unbalanced systems**
- **XLR and BNC connectors**
- **2 × 12 switches**
- **Multiple units can be cascaded**

The SR10, SR11 & SR12 Switchers bring multiple-channel I/O capability to the SR1 Audio Analyzer. These switching systems allow you to expand the two-input/two-output channels of SR1 by up to 192 channels. They can also be used in general purpose systems to control almost any number of signals.

The SR10 Input Switcher can connect any two of its twelve balanced XLR inputs to SR1. SR11 can connect SR1's two outputs to any of its twelve balanced XLR outputs. SR12 can be configured as either an input or output switcher for unbalanced signals with BNC connectors. All of the switchers can be cascaded using rear-panel connectors to create larger switch matrices.

SR10, SR11 & SR12 Switchers can be controlled from a computer or from SR1 directly. Interfaces include GPIB, RS-232 and Ethernet.

High isolation relays preserve signal integrity and maintain exceptional crosstalk of <–155 dB at 20 kHz. Front-panel LEDs clearly indicate the switch matrix configuration and control status.

# SR10, SR11 & SR12 Specifications

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|---|---|
| Max. voltage | 250 $V_{rms}$, 220 $V_p$ |
| Max. power | 5 W or 200 mA |
| Crosstalk (into 600 Ω) | |
| SR10 & 11 (Bal) | –155 dB @ 20 kHz |
| | –137 dB @ 100 kHz |
| SR12 (Unbal) | –138 dB @ 20 kHz |
| | –124 dB @ 100 kHz |
| Series resistance | <300 mΩ (typ.) |
| Computer interfaces | GPIB, RS-232, Ethernet. Ethernet control is over a simple socket interface or web page. RS-232 interface can be cascaded with up to 16 switch boxes. Integrated with SR1 to control up to 16 switch boxes. |
| Power | <10 W, 90 VAC to 264 VAC, 47 Hz to 63 Hz |
| Dimensions | 17" × 1.75" × 11.5" (WHD) |
| Weight | 5 lbs. |
| Warranty | One year parts and labor on defects in materials and workmanship |

*SR11 front panel*

## Ordering Information

| | |
|---|---|
| SR10 | Balanced input switcher |
| SR11 | Balanced output switcher |
| SR12 | Unbalanced I/O switcher |
| OSR10RM | Rack mount kit |

*SR10 rear panel*

*SR11 rear panel*