

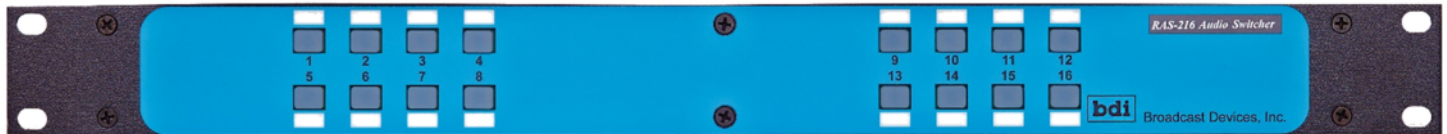
RAS-200 Series Passive Audio Switchers

bdi

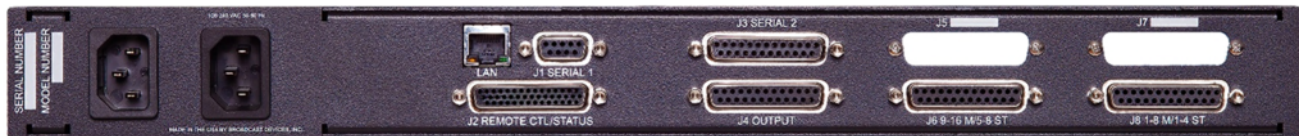
RAS-208 Eight (8) Channel Stereo Audio Switcher
RAS-216 Sixteen (16) Channel Monaural Audio Switcher



RAS-208 Eight (8) Channel Stereo Passive Audio Switcher front panel



RAS-216 Sixteen (16) Channel Monaural Passive Audio Switcher front panel



RAS-208 and RAS-216 Passive Audio Switcher rear panel

Features

- Passive audio switchers employ relay switch sets to pass analog and AES3 digital audio signals or control signals without modification.
- Customizable channel naming and setup configuration done with the downloaded companion RAS-200 Series Windows application software.
- Audio inputs and outputs via TASCAM DSUB25F connectors. Breakout interface panels to XLR and BNC connections are optionally available from BDI.
- Remote control interfaces for GPIO, RS-232/485, and LAN SNMP v2. The serial interface is also programmable by the user. This allows the interface to be configured for any external automation or satellite controller.
- Includes pre-programmed RS-232 command set support for interface to Sage Digital ENDEC and Digital Alert Systems DASDEC™ EAS Encoder/Decoders.
- Redundant power supplies are included as standard 100 to 240 VAC, 50/60 Hz.
- Steel chassis construction for superior hum rejection.
- Most popular applications include:
 - Remote Source Selection
 - Console Input Multiplication
 - Automation Switching
 - Satellite Feed Switching
 - Emergency Alert System Switching

The RAS-208 and RAS-216 are programmable passive audio switchers. The RAS-208 is for stereo operation and can accommodate up to eight (8) stereo balanced pairs to be switched to a single stereo output. The RAS-216 is designed for monaural operation with up to 16 balanced inputs that can be selected to a single mono output. The signal path in both models is passive, utilizing sets of relays that allow analog and digital audio signals, as well as control signals, to be passed through the switcher. No active circuitry in the signal path; relay switching is used throughout.

Control and monitoring can be accomplished in various ways to accommodate nearly every interface situation. RS-232 serial and standard GPIO control and status indications are available, in addition to a LAN interface that supports SNMP v2. The serial interfaces are programmable by the user to input serial commands for virtually any interface. A pre-programmed RS-232 command set supports the Sage ENDEC and Digital Alert Systems DASDEC™ EAS Encoder/Decoder products. With the programming function, you can create a custom serial interface tailored to your specific requirements. The RAS-216 also supports a GPIO interface for remote control, and two types of remote control panels are available from BDI. One supports GPIO, and the other is a serial interface panel for easy interfacing over longer cable runs. Regardless of the application — switching sources, network feeds, or switching satellite receivers — the RAS-208 and RAS-216 provide an easy-to-use interface.

Broadcast Devices also provides Microsoft Windows Application software and an SNMP MIB file, downloadable from the RAS-200 Series product page on our website, to set up serial communication. You can select either the BDI command set or the EAS command set, which is supported by Sage Digital ENDEC and Digital Alert Systems DASDEC™ systems. There is also a provision for creating your own serial commands to match automation and satellite receiver systems. The software also allows users to customize the input channel labels and switcher names.

RAS-200 Series Passive Audio Switchers

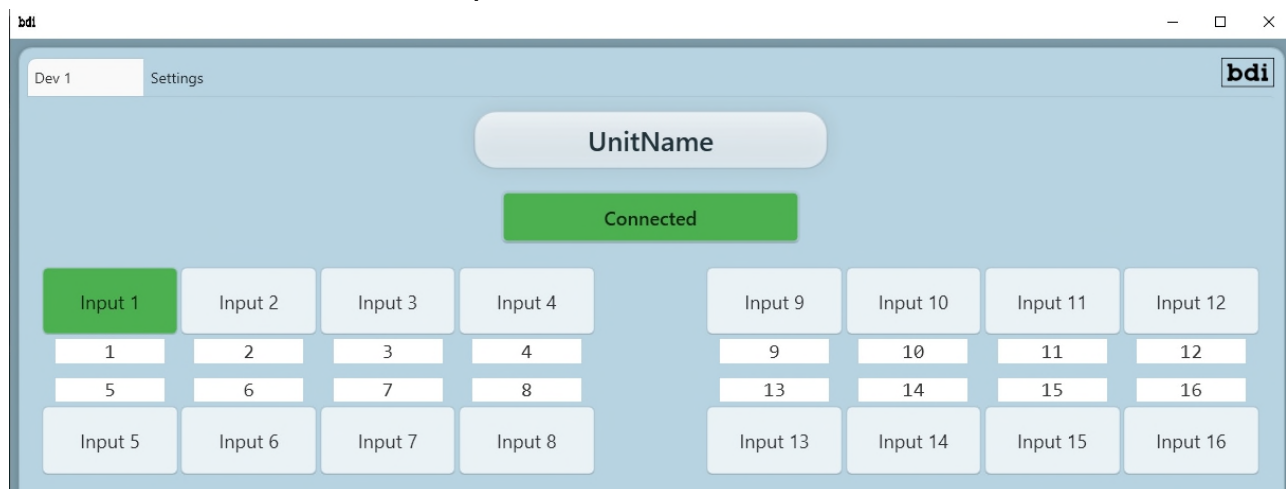
Technical Specifications	RAS-208	RAS-216
Inputs:	Eight (8) Stereo	Sixteen (16) Monaural
Output:	Single Stereo	Single Monaural
Input Connector:	DSUB25F – Tascam Standard	
Output Connector:	DSUB25F – Tascam Standard	
Switching Type:	Relays—Passive signal path	
Signal Types Supported:	Analog T/R/S, AES3—non-synchronous, DC control	
Remote Control:	Parallel GPIO, RS-232/485 Serial, Ethernet SNMP v2, and Windows based BDI Stack Graphical User Interface Supplied	
GPIO Remote Connector:	DSUB25F	DSUB44F
RS232 Connector Style	DSUB25F	
Power Requirements:	100 to 240 VAC, 50/60 Hz, 0.5 amps	
Operating Ambient Temperature:	32 to 122 deg, F (0 to 50 deg, C)	
Humidity:	95%, Non-condensing	
Mechanical Dimensions:	19 in W x 10 in D x 1.75 in H (483 mm W x 254 mm D x 44 mm H) Standard One EIA Rack Unit Enclosure	
Shipping Dimensions:	22 in W x 14 in D x 7 in H (559 mm W x 356 mm D x 178 mm H)	
Shipping Weight:	15 lbm (7 kg)	



Two (2) Remote Control Panel options are available for the RAS-208 and RAS-216. For short distances, the RAS-REM-P is accompanied by a 6-foot (2-meter) cable for direct connection to any RAS-200 Series switcher. The RAS-REM-S provides a long-distance CAT5 serial connection of up to 1000 feet. The RAS-REM-S is supplied with a 25-foot (8-meter) cable. For more information, refer to the RAS-REM product brochure, available on the BDI website.



Optional Audio Interface Panels are available for the RAS-200 Series Audio switchers. The AIP, ADP, and DAP Series interface panels include gold XLR and DB25 connectors mounted to rugged one rack unit steel mounting panels. The panels are supplied with a 3-foot (1-meter) standard TASCAM DSUB25F connection cable. For more information, refer to the Audio Interface Panels product brochure, available on the BDI website.



The BDI SNMP-based default Graphical User Interface allows users to customize channel and switcher unit labeling for easy identification and operation.