

8/16 Passive Audio Switcher

8/16-8 Eight (8) A/B Inputs to Eight (8) Outputs Audio Switcher
8/16-16 Sixteen (16) A/B Inputs to Sixteen (16) Outputs Audio Switcher

bdi



8/16 Passive Audio Switcher, Front Panel



8/16 Passive Audio Switcher, Rear Panel

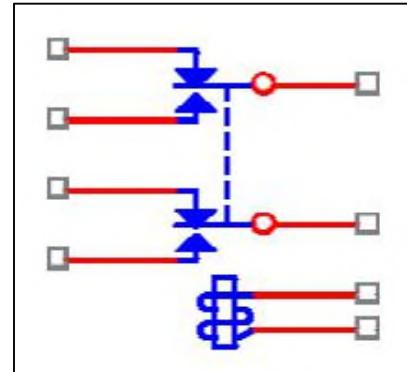
Features

- 8 or 16 A/B Balanced Inputs to 8 or 16 Common Outputs.
- Passive audio switchers employ relay switch sets to pass analog and AES3 digital audio signals or control signals without modification.
- Audio inputs and outputs via TASCAM DSUB25F connectors. Breakout interface panels to XLR and BNC connections are optionally available from BDI.
- 100 to 240 VAC, 50/60 Hz, configurations available with redundant power supplies.
- Models available with redundant power supplies with separate power cords, 100 to 240 VAC, 50/60 Hz.
- Steel chassis construction for superior hum rejection.
- Most popular applications include:
 - Emergency Multi-Pair Backup Switcher
 - 7/5.1 Audio Monitor Selector
 - Emergency Studio Switcher
 - Emergency Router Bypass
 - Switcher Emergency Digital Console Switchover

The Model 8/16-8 and Model 8/16-16 Passive Audio Switchers from BDI are a solid solution to emergency backup of analog and digital audio systems and for DC control lines. Uses include studio changeovers, where multiple pairs need to be switched. Great for remote trucks where live shoots require ultra-reliability in all systems. The 8/16 series switchers provide a simple, reliable way to switch over multiple pairs. Because the 8/16 is passive in its switching function, signals can be mixed in one switcher to include analog or digital audio and control signals. Use as an emergency switcher to bypass single points of failure.

If your requirement is for more than 16 pairs, simply stack additional 8/16 switchers and slave the remote-control function.

Constructed from steel, providing superior shielding against 50/60 Hertz hum pickup in analog applications. Using rugged switching power supplies, the 8/16 series switchers can withstand harsh electrical environments and are compatible with most AC power distribution systems worldwide.



Basic Switching in 8 or 16 pairs

Technical Specifications	8/16-8 Switcher	8/16-16 Switcher
Inputs:	Eight (8) A/B Inputs	Sixteen (16) A/B Inputs
Output:	Eight (8) Outputs	Sixteen (16) Outputs
Input Connectors:	DSUB25F – TASCAM Standard	
Output Connectors:	DSUB25F – TASCAM Standard	
Switching Type:	Hermetically Sealed Relays—Passive signal path	
Signal Types Supported:	Analog T/R/S, AES3—non-synchronous, DC control	
Remote Control:	Momentary or Maintained Latch Closure Using Contact Closure	

8/16 Passive Audio Switcher

Technical Specifications	8/16-8 Switcher	8/16-16 Switcher
Status:	Dry Relay Contact NO/C/NC for Position Status	
Remote Control/Status Connector:	DSUB25F	
Front Panel Controls:	Pushbutton Selection of A/B Inputs	
Front Panel Status:	Lighted Button of Selected Position	
Other Features:	Programmable Momentary or Latched Control From Rear Panel	
Power Recovery State:	Jumper Selectable Recover to Last Position or A position upon Recovery of Power Loss	
Power Requirements:	100 to 240 VAC, 50/60 Hz, 1.0 amp	
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 Information:	22 in W x 14 in D x 7 in H (559 mm W x 356 mm D x 178 mm H) 15 lbs. (7 kg)	

8/16 Passive Audio Switchers Available Configurations

Part Number	Description
8/16-8 SWITCHER	8 Channel A/B Single Point of Failure Bypass Switcher
8/16-8D SWITCHER	8 Channel A/B Single Point of Failure Bypass Switcher with Dual Power Supply Option
8/16-16 SWITCHER	16 Channel A/B Single Point of Failure Bypass Switcher
8/16-16D SWITCHER	16 Channel A/B Single Point of Failure Bypass Switcher with Dual Power Supply Option

8/16 Passive Audio Switchers Accessories

Part Number	Description
8/16-REM	Remote Control Lighted Pushbutton Panel For 8/16 Passive Audio Switchers
AIP-100	Optional Audio Interface Panel to DBSUB25F connector for BDI audio switchers, eight (8) XLR female input connectors, and eight (8) XLR male output connectors in an EIA rack-mounted panel, one RU panel.
AIPM-100	Optional Audio Interface Panel to DBSUB25F connector for BDI audio switchers, eight (8) XLR male input connectors in an EIA rack-mounted panel, one RU panel.
AIPF-100	Optional Audio Interface Panel to DBSUB25F connector for BDI audio switchers, sixteen (16) XLR female input connectors in an EIA rack-mounted panel, one RU panel.
DIP-100B50	Optional Audio Interface Panel to DBSUB25F connector for BDI audio switchers, four (4) XLR female input connectors, four (4) XLR male output connectors, and four (4) 50 ohm BNC input and output connectors in an EIA rack-mounted panel, one RU panel.
DIP-100B75	Optional Audio Interface Panel to DBSUB25F connector for BDI audio switchers, four (4) XLR female input connectors, four (4) XLR male output connectors, and four (4) 75 ohm BNC input and output connectors in an EIA rack-mounted panel, one RU panel.

The AIP and DIP 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.



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