

SW9026 Audio Matrix Switcher

SOUNDWEB
TM



Expanding the applications of Soundweb is the SW9026 Audio Matrix Switcher, allowing multiple audio sources to be routed by Soundweb Designer presets or simple remote control.

Integrating Soundweb Audio Processing and Networking with these switchers provides the ability to route selected inputs from a number of sources. There are many instances where only a number of signals from multiple sources are required simultaneously, and the SW9026 permits low-cost input expansion for Soundweb systems, as well as offering a standalone solution for source selection and matrixing.

The SW9026 features sixteen balanced audio inputs, and the eight balanced outputs can then feed a Soundweb 9088ii for processing and further zone distribution.

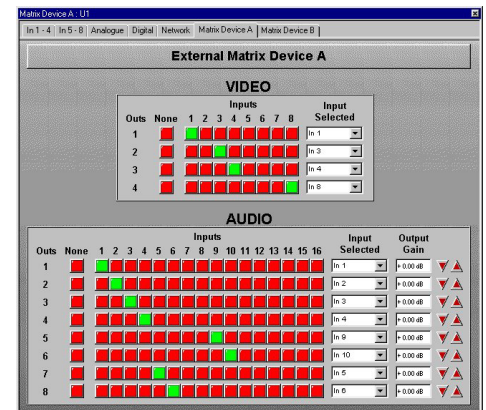
In addition to seamless integration within Soundweb systems, the SW9016 is equally suited to stand alone operation. When used in this way it can be used as a simple switcher or alternatively loaded with up to eight pre-sets that allow any combination of audio routing and level to be instantly recalled in up to four independent stereo zones. If no pre-sets are loaded, the units automatically default to a simple four zone source selector with 'audio follows video' routing, audio level control being independent for each zone.

Control can be remote via RS232 using simple string commands, or local from a contact closure port, for example using up to four SW9012 wall panels. The baud rate of the RS232 can be changed to suit the application. BSS can also supply an 'active X' plugin to aid the easy integration with bespoke windows based control applications.

BSS Audio supplies a standalone PC program that can be used to both set-up and control the devices when they are not part of a Soundweb system. To increase flexibility, up to two SW9026s may be connected to a single Soundweb or other RS232 device.

SW9026 Audio Switcher Features

- ▶▶ 16 balanced audio inputs matrixable to 8 balanced audio outputs, freely assignable
- ▶▶ Controlled via Soundweb Designer or 9010/9012 controller presets, or a standalone PC application
- ▶▶ Simple control via simple switches
- ▶▶ 2 units may be cascaded to increase capacity



Both the SW9016 Video/Audio Matrix Switcher and SW9026 Audio Matrix Switcher are programmable within Soundweb Designer

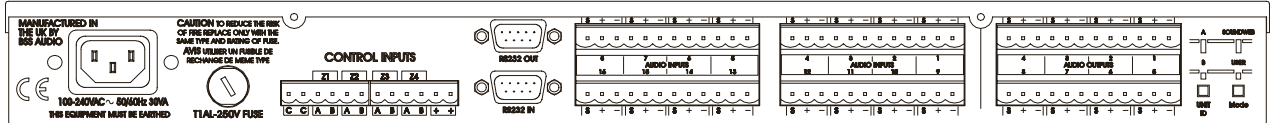
Preliminary Information March 2002



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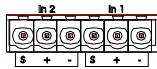
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Audio Input Connector

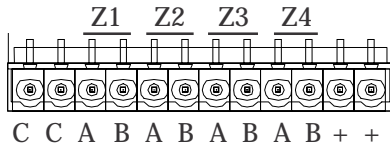
- Each connector accommodates two inputs, pin 1 is on right when viewed from rear:
- Pin 1: Input 1 (3,5,7,9,11,13,15) Screen (ground)
 - Pin 2: Input 1 (3,5,7,9,11,13,15) +ve (hot)
 - Pin 3: Input 1 (3,5,7,9,11,13,15) -ve (cold)
 - Pin 4: Input 2 (4,6,8,10,12,14,16) Screen (ground)
 - Pin 5: Input 2 (4,6,8,10,12,14,16) +ve (hot)
 - Pin 6: Input 2 (4,6,8,10,12,14,16) -ve (cold)



Audio Output Connector

- Each connector accommodates two outputs, pin 1 is on right when viewed from rear:
- Pin 1: Input 1 (3,5,7,9,11,13,15) Screen (ground)
 - Pin 2: Input 1 (3,5,7,9,11,13,15) +ve (hot)
 - Pin 3: Input 1 (3,5,7,9,11,13,15) -ve (cold)
 - Pin 4: Input 2 (4,6,8,10,12,14,16) Screen (ground)
 - Pin 5: Input 2 (4,6,8,10,12,14,16) +ve (hot)
 - Pin 6: Input 2 (4,6,8,10,12,14,16) -ve (cold)

Control port pin-outs



Preset/Zone Trigger Inputs

- Pin 1 is on right when viewed from rear:
- Pin 1, 2, : +5V. Pin 11, 12 : Common
 - Zone Mode
 - Pin A Gain, Pin B Source Select
 - Preset Mode
 - Use Z1 connections only

Technical Specifications

Audio Inputs	16 Balanced Audio inputs on Phoenix Combicon removable screw connectors.
Routing	16x8 Audio Matrix, each channel independently addressable
Input Impedance	10kOhm
Maximum Input Level	+20dBu
THD	<0.02%
Frequency Response	20Hz-20kHz +0/-0.2dB
S/N Ratio	>110dB at unity gain
Crosstalk	<-100dB
CMRR	>40dB
Audio Outputs	8 Balanced Audio Outputs on Phoenix/ Combicon removable screw connectors.
Output gain	adjustable, -inf to +20dB
Control & Presets	
Presets	8 presets per video output zone when used with standalone PC app
Serial Control Port	RS232 connects to Soundweb 9088ii, 9008ii or 9000ii or PC
Dimensions	1RU (3.5") high, 19" wide, 6.6" deep (45mm x 445mm x 168mm)
Weight	2.3kgs (5lbs)

BSS Audio have a policy of continued product improvement and accordingly reserve the right to change features and specifications without prior notice.

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