

# Signature Series

Maximum Resilience Broadcast Audio



## Signature SW 8:2

8 Way Mono/ 4 Way Stereo Analogue Audio Switch/ Mixer



SW 8:2 Front



SW 8:2 Rear

## FEATURES

**8 Balanced Mono/ 4 Balanced Stereo Analogue Audio Inputs**

**2 Balanced Mono/ 1 Balanced Stereo Analogue Audio Output**

**Large Front Panel Illuminated Source Selector Switches**

**Switched or Mixed Outputs**

The Signature SW 8:2 is a broadcast specification, 8 mono/ 4 stereo source selector switch/ mixer.

There are 8 balanced audio inputs on 3 pin Neutrik XLR sockets on the rear panel and these can be set globally to be 8 mono inputs or 4 stereo inputs.

On the front panel there are 8 large illuminated buttons for turning sources on/ off. They work as 8 individual switches when in the mono mode and 4 pairs of stereo switches when the SW 8:2 is set to stereo.

Two balanced Neutrik XLR plugs on the rear panel provide the output of the unit, which will either be one single mono channel or 1 stereo channel when the unit is set to 'switch' mode or a mix of all selected sources when set to 'mix' mode.

Three rear panel dip switches allow for setting mix/switch, mono/stereo & output pre/post headphone volume pot.

The front panel features a 6.35mm stereo TRS jack socket for headphones monitoring, with a full size pot to adjust the volume level. This headphone circuit monitors the output audio.

Power is provided by an internal switch mode power supply, with a wide input range. There is also an input for external +/-12v DC power. The +/-12v DC input can be connected to the optional Signature PS1 external DC Master Power Station, for situations where a redundant power supply is desirable.



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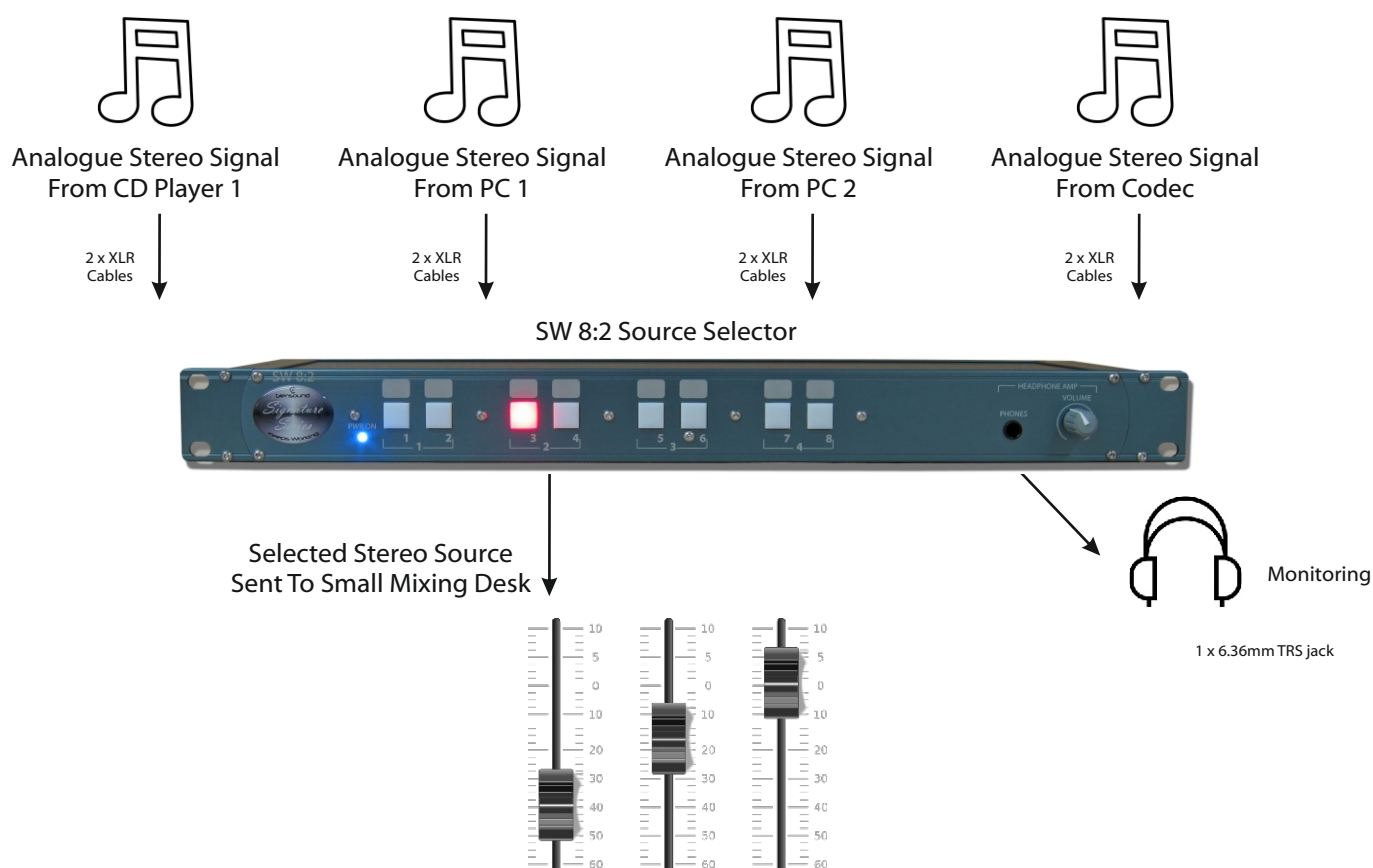
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### EXAMPLE APPLICATION

#### Small Studio Source Selector

Adding Multiple Sources to a Small Mixing Desk



A lot of low cost and entry level radio and general purpose mixing desks have great facilities but often lack in input channel numbers.

Adding a Signature SW 8:2 is a convenient and easy way of turning 1 single channel strip on the mixer into 8 mono or 4 stereo mix sources.

This is normally a much more cost effective solution for adding extra occasional use channels to a desk than buying extra channel strips for the desk itself.

Being a GlenSound Signature unit it is also a much better long term investment than adding extra channels to a low cost desk whose life span may well only be 5 years, whereas GlenSound units normally have life spans exceeding 20 years.



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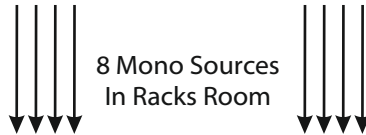
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#### EXAMPLE APPLICATION

### Racks Room Source Selector

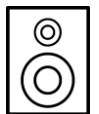
Routing/ Selecting Different Sources to The Racks Room Monitor



SW 8:2 Source Selector



Selected Signal  
1 x XLR3



Active  
Monitors

1 x 6.36mm jack



Monitoring

Many racks rooms in studio complexes and other technical environments have multiple audio circuits routed to patch panels and transmission/ distribution chains. Monitoring of these circuits with dedicated 1RU multi input broadcast monitoring subracks can be expensive and often a little limited by the small size and poor performance of 1RU rack loudspeakers.

The alternative is to use the 8:2 source selector and your choice of standard active monitors which will provide a much better audio quality solution and depending upon your monitor choice will also be a much more cost effective solution.

If the rear panel post/pre dip switch is set to post then the front panel volume pot will adjust the output level and act as a loudspeaker volume control.

The front panel headphone output also provides another solution to monitoring the sources if no monitor loudspeakers are required.



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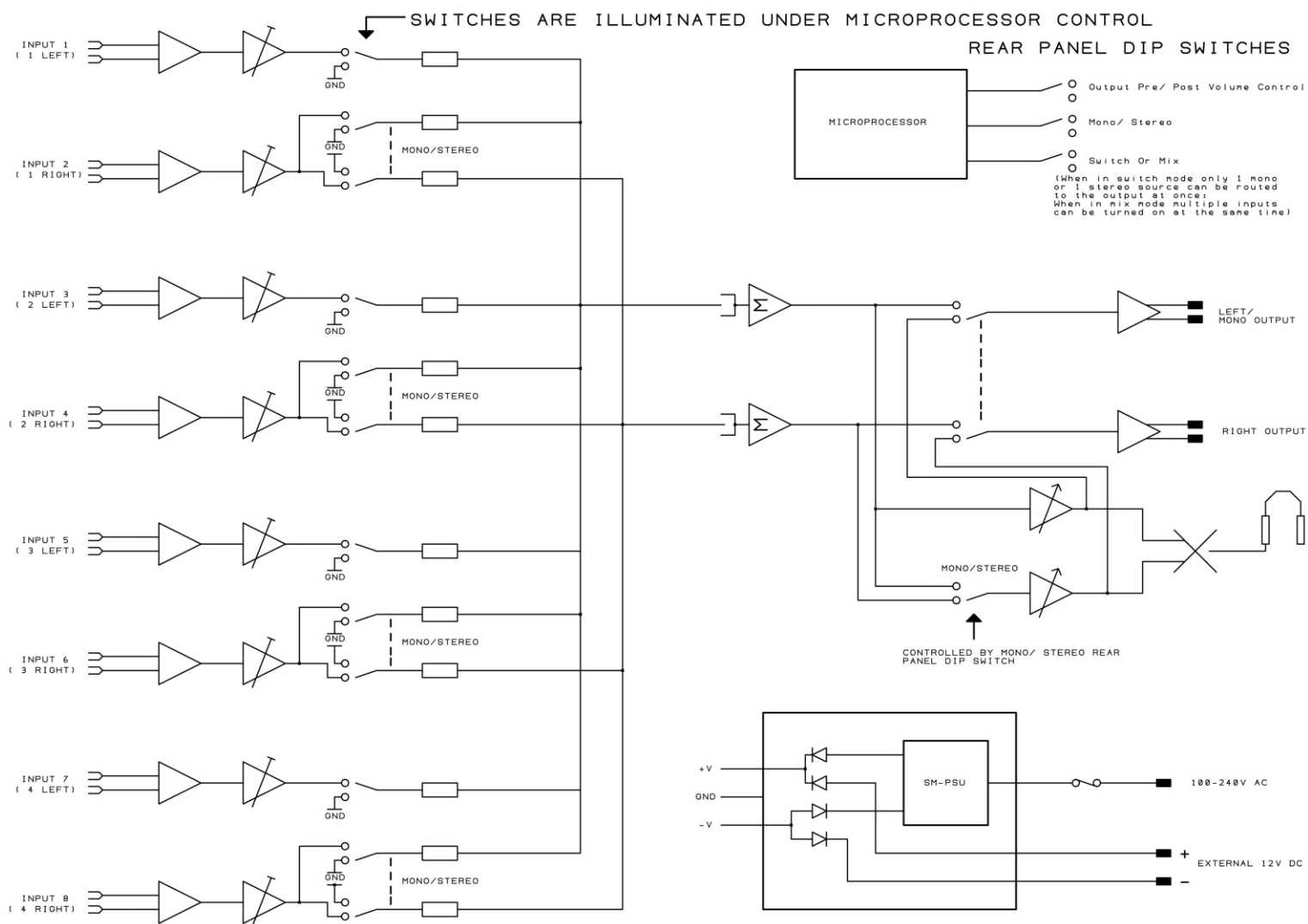
## Maximum Resilience Broadcast Audio



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#### BLOCK DIAGRAM



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### Signature SW 8:2

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#### SPECIFICATION

##### AUDIO INPUTS - ANALOGUE

**Maximum Input Level**

+28dBu

**Input Impedance**

47k ohm balanced, 23k ohm unbalanced

**Balanced Input Type**

Sophisticated electronically balanced  
(can be wired unbalanced) on Neutrik  
XLR connectors

**Input Gain Control**

+10/-10dB

##### AUDIO OUTPUTS - ANALOGUE

**Output Impedance**

<50 ohms

**Balanced Output Connectors**

Neutrik 3 pin XLR plugs

**Noise (1 source selected)**

>-86dBu RMS 22-22kHz

**Frequency Response**

<-0.5dB 25Hz - 20kHz

**THD+Noise**

< 0.008% @ 1kHz

**Interchannel Cross Talk**

>78dB 100Hz to 15kHz

**Maximum Output Level**

+24dBu

##### HEADPHONE OUTPUT

**Output Gain Range**

+10dB to off

**Headphone Impedance**

32-1000 ohms

**Maximum Output Level**

+17dB into 600 ohms

##### POWER

**Mains Input**

Filtered IEC, 100 to 240VAC  
47 - 63Hz

**AC Consumption**

4.3 Watts @ 230VAC

**DC Input**

4 Pin Neutrik XLR plug +/- 12V

**DC Consumption**

+12V=88mA, -12V=35mA

**Internal Mains Fuse**

20mm 1A Anti Surge

##### PHYSICAL

**Size**

445 x 163 x 44mm (LxDxH) no rack ears  
482mm 19" (1RU) with rack ears

**Weight**

1.35kg

**Mechanics**

All aluminium construction, anodized and  
laser etched

**Shipping Carton**

Rugged export quality cardboard carton  
610 x 420 x 130mm LxDxH

**Shipping Weight**

2.8kg





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### Signature Series Standard Features

#### STANDARD FEATURES

##### 19" Rack Mount Ears



A Signature unit can rack mount in a 1U 19" rack, regardless of the size of the unit. Rack ears are included as standard with every unit.

##### Front Or Rear Mounting



A Signature unit can be rack mounted via the front panel or if it is more convenient, via the rear panel by simply swapping the rack ears over.

##### Side Wings For Flat Surface Fixing



A Signature unit has side wings with mounting holes at the top and bottom, allowing flush fixing from above **OR** underneath.

##### Neutral Colour Scheme To Compliment Equipment Areas



##### Rack Screws Included



##### Modern Design



##### Internal Switch Mode AC Power Supply



A Signature unit has an internal switch mode AC power supply, allowing worldwide power connections from 100-240v via an IEC socket.

##### 12V DC Power Connection



All Signature units (except PS1) have a 4 pin XLR  $\pm 12V$  DC socket for connection to the PS1 Power Station. This can act as the primary or backup power source.

##### Quick Find Manual



A Signature unit has a QR code attached. This can be scanned to simply and quickly locate the manual and technical information.

#### CONTACT

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