

## Professional Tools ❖ Router



- Easy, flexible routing for up to eight stereo or mono processors
- Selection and pre-listening of up to eight stereo or mono sources
- Class A headphone amp on board
- Efficient hardware management, i. e. for selection/comparison of effects, preamps, speakers etc.
- Ideally suited for product demonstration purposes
- High-end components and circuitry throughout, all connectors balanced
- As with all SPL products, the Router is conceived, designed and hand-built in Germany

# The SPL Router. Smart signal path management.



## Inputs

**Onboard inputs allow two sources to be connected to the Router**

1. The front-panel XLR mic input with control LED allows easy comparison of channel strips, mic preamps etc. The mic signal is routed passively to external preamps—phantom power from the preamps is routed to the mic input
2. A line-level sound source (e.g. CD player) can be permanently connected to the rear-panel 1/4" TRS input connectors. The +10 dB switch raises hi-fi/consumer level to professional level

## Routing selectors

**Eight processors or preamps can be connected to the Router**

- Any combination of stereo and mono processors/preamps is possible
- Each selector (1-8) routes the input source to the desired processor/preamplifier and the respective outputs to the headphones and line outputs
- Only one selector can be activated at a time
- Rugged high-quality mechanical switches ensure optimal audio quality
- White areas on steel front panel allow handwritten or magnetic labeling

## Phones Out

**Two stereo headphones can be connected to the Router**

- The front-panel phones out (1/4" TRS connector) is parallel to the rear-panel output
- The volume control sets the output level of both the front and rear headphone outputs
- A mono switch with control LED allows accurate monitoring of single-channel devices (i.e. channel strips or mic preamps)
- The rear-panel phones out prevents headphones theft in demonstration racks



## Phones Out/Stereo Outputs

- The rear-panel phones out (1/4" TRS connector) is parallel to the front-panel phones out. The volume is set by the volume control on the front panel. Both headphone outputs may be used simultaneously
- The stereo line-level outputs (dual 1/4" TRS connectors) deliver the output signal of the selected processor/preamplifier. The output signal is balanced when stereo plugs are inserted; mono plugs generate an unbalanced output signal

## Send and Return connections

- Four D-Sub 25 connectors allow connection of up to 16 send and return channels
- The two send connectors distribute the input source to eight stereo or mono processors
- The two return connectors receive the output of eight stereo or mono processors
- All send and return connections are fully balanced

## Stereo Inputs

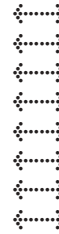
- A balanced line-level input for a stereo source is provided on the rear panel (dual 1/4" TRS connectors)
- The input path is balanced when stereo plugs are inserted; mono plugs generate an unbalanced signal path



# Applications

## 1. PROCESSOR/SPEAKER ROUTING (select, compare, demonstrate)

1 stereo source  
(e. g. CD player)



Up to 8 processors  
(via send/returns)  
Up to 8 speaker pairs  
(via sends)

## 2. PREAMPLIFIER/CHANNEL STRIP ROUTING (select, compare, demonstrate)

1 microphone



8 mic preamps/  
channel strips

## 3. SOURCE SELECTION (CD, DAW, DAT, CDR, TAPE etc.)

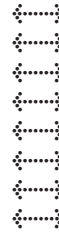
8 sources  
(select/compare up to 8  
stereo sources)



Selected source  
(output to console,  
monitoring or  
headphone amp)

## 4. COMBINED SOURCE AND PROCESSOR ROUTING (with two routers)

8 sources (via returns)



8 processors  
(via send/returns)

# Technical Specifications SPL Router, Model 2269

## STEREO INPUTS/SEND connectors

|                           |              |
|---------------------------|--------------|
| Maximum input level:      | +19 dBu      |
| Input impedance:          | 10 kOhms     |
| CCMR (1 kHz):             | >70 dB       |
| Maximum output level:     | +20 dBu      |
| THD+N (+10 dBu):          | >105 dB      |
| Noise:                    | -98.2 dBu    |
| Noise (+10 dB):           | -89.5 dBu    |
| Freq. response (-0.5 dB): | 10 Hz-80 kHz |

## STEREO OUTPUTS/RETURN connectors

|                           |              |
|---------------------------|--------------|
| Maximum input level:      | +19 dBu      |
| Input impedance:          | 10 kOhms     |
| CCMR (1 kHz):             | >70 dB       |
| Maximum output level:     | +19 dBu      |
| THD+N (+10 dBu):          | >100 dB      |
| THD+N (Fixed):            | >112 dB      |
| Noise:                    | -98.2 dBu    |
| Freq. response (-0.5 dB): | 10 Hz-80 kHz |

## PHONES OUT

|                           |   |
|---------------------------|---|
| Output impedance:         | 0.2 Ohms  |
| Maximum output voltage:   | 50 Ohms: 3.57 Veff<br>150 Ohms: 5.74 Veff<br>300 Ohms: 6.73 Veff<br>600 Ohms: 7.11 Veff |
| THD+N (150 Ohms, 4 Veff): | >95 dB  |

Power consumption: 7 W

Housing/measures: Standard EIA 19 inch housing, 1 U  
44 x 480 x 112 mm (H x B x T)

Weight: 2 kg

Technical specifications subject to change without notice.

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All you need is imagination,  
good ears and three letters:

