Connectivity Solutions for:
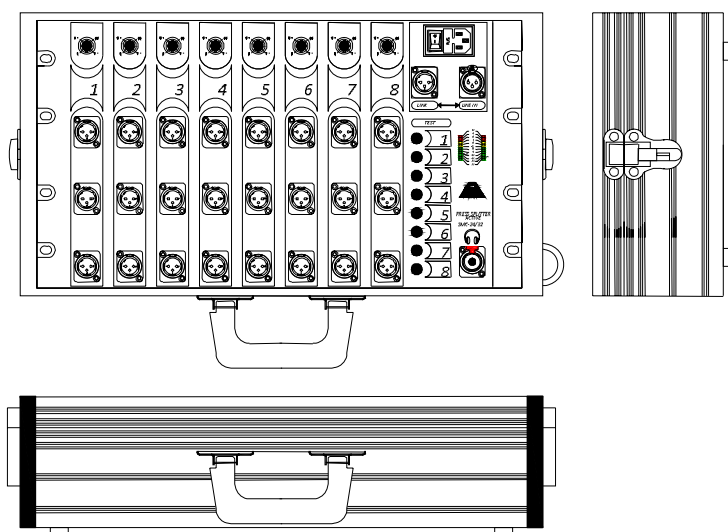
Scenic Arts · Broadcast · Professional Sound · A/V

Tech Data

REF.: SA SMC I: 1H/1M O: 24

AUDIO PRESS SPLITTERS
ACTIVE SPLITTER
SMC 24

Description

- **1 XLR-F** Mono-Balanced **Input**.
- **1 XLR-M** Mono-Balanced **Output** for Link.
- **24 XLR-M** Mono-Balanced and insulated (by transformer) **Outputs**.
- Gain potentiometer - ∞ to +6 dB.
- Headphones and visual monitoring.
- Intuitive and straightforward use.
- Reliable response.
- Several formats: *Flight Case* (Briefcase style), *AR* Box (Rack mount) and *Wall Rack* (Recessed mounted).

Drawing: Flight Case format.

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ACTIVE SPLITTER
SMC 24

Description

The **SMC 24 Active Press Splitter** is made up of 1 line level input + 1 line level link output and 24 line level outputs with an output gain potentiometer and monitoring components (visual and by headphones).

Splitting **1** line signal into **24 insulated (by transformer)** line level outputs is possible with the **SMC 24 active splitter**. These 24 signals **will be available for the press** with the possibility of modify output level and check the input/output ratio. You can hear the signal of each channel by headphones.

Several formats are available:

- **Flight Case (Briefcase)** format by which move the splitter in a comfortable and safe way is possible.
- **AR (Rack Mount) Box** format for installation in 19'' Rack.
- **Wall Rack (Recessed mounted)** format for install your press splitter on surface or recessed mounted.

This **Pinanson splitter** has a highly good frequency response (deviation in 20Hz-20KHz of ± 0.1 dB) and a really low distortion (THD + N ≤ 0.01%).

Applications

For **Press Room** when splitting 1 LINE Audio input signal into 24 insulated identical outputs (with level control and monitoring) and 1 link output, is needed.

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Tech Specifications

Max. Input Level	50 Hz, 0.4% THD+N	+ 2 dBu
	1KHz, 1% THD+N	+20 dBu
Input Impedance *(Balanced, +4 dBu,1 KHz)*	44 kΩ	
Output Impedance *(Balanced, +4 dBu,1 KHz)*	600 Ω	
Gain *(Balanced Input/Output)*	- ∞ a +6dB 0.5 dB steps	
THD + N *(+4 dBu, 1KHz)*	≤ 0.01%	
IMD *(+4 dBu, 60 Hz y 7KHz)*	≤ 0.04%	
Frequency Response *(+4 dBu, 20 Hz – 20 KHz)*	± 0.3 dB	
SNR *(+ 4 dBu, 1KHz, BW 20 KHz)*	96 dB	
CMRR *(+ 4 dBu, 1KHz)*	>60 dB	
AC Power	85 – 270 VAC 47 Hz – 63 Hz IEC 3 pins connector.	

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Physical Characteristics

Flight Case format	
Briefcase	**AR Box**
- Material: Wood and PVC (Polyvinyl chloride). - Frame: Al (aluminium). - Ironworks: Zinc material.	Same materials of *AR Box format* (see below *AR Box format*).

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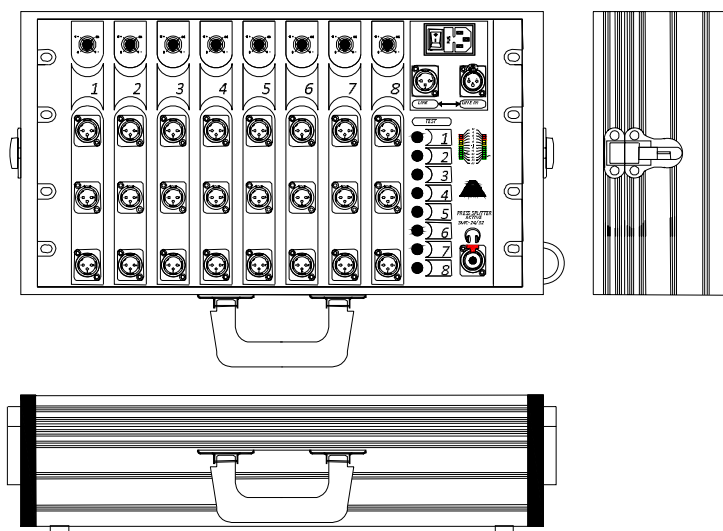
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AUDIO PRESS SPLITTERS
ACTIVE SPLITTER
SMC 24

REF.: SA SMC I: 1H/1M O: 24

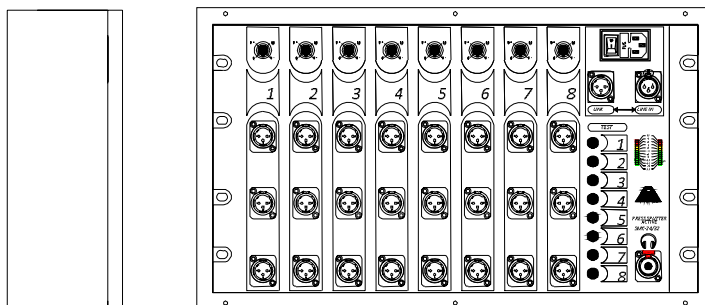| AR box format	
Panel	**Union plates**
- Extruded Aluminium. 6063 Alloy. *T5 Treatment.* - Finish: - Electrostatic coating powder 100 – 150 µ. - Colour: textured matte black.	- Steel - Finish: - Electrostatic coating powder 100 – 150 µ. - Colour: textured matte black. - Serigraphy: screen-printed PVC 300µ.
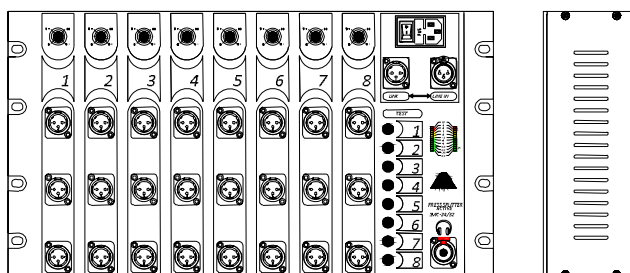
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AUDIO PRESS SPLITTERS
ACTIVE SPLITTER
SMC 24

Wall Rack format

Box	Panels
- Steel sheet 1.5 mm. - Finish: - Textured matte black colour: electrostatic powder covering 100 – 150 µ. - Grey colour RAL 7035: electrostatic powder covering 60 µ.	- Extruded aluminium. 6063 Alloy. *T5 Treatment.* - Finish: - Electrostatic coating powder 100 – 150 µ. - Colour: textured matte black. - Serigraphy: screen-printed PVC 300 µ.

Components

Audio	Power
1 Neutrik XLR-3 F connector: Pin 3 (–), Pin 2 (+) y Pin 1 (Ground). 1 Neutrik XLR-3-M connector: Pin 3 (–), Pin 2 (+) y Pin 1 (Ground). 24 Neutrik XLR-3-M connectors: Pin 3 (–), Pin 2 (+) y Pin 1 (Ground). 1 TRS Jack for headphones: 'T' Tip (+), 'R' Ring (-) y Sleeve (Ground).	1 IEC AC input connector of 3 pins with voltage switch and fusible.
Monitoring	**Potentiometer**
8 monitoring buttons (one per group of 3). LEDs showing Input/Output ratio.	8 output potentiometers (one per group of 3).