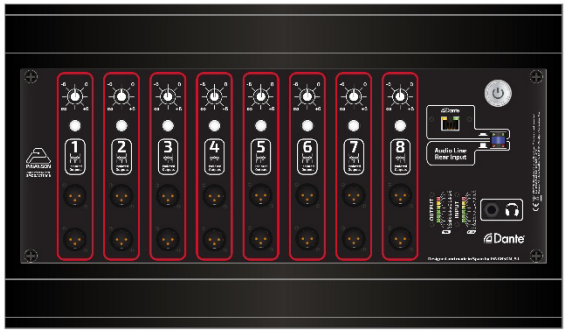
Tech Data

PRESS SPLITTER
SMC 16 DANTE
SEVERAL FORMATS



Description

The **SMC 16 Dante Press Splitter** of Pinanson offers to the user:

- **1 RJ45** Dante networked audio **input.**
- **1 XLR-F** balanced by transformer **input.**
- **16 XLR-M** 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).

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Description

The SMC 16 Active Splitter is designed to operate on a Dante digital audio network, as well as with **analogue audio.**
The equipment supports two types of inputs, selectable on the equipment:

- **Balanced analog line-level input** by XLR-H-3.
- **Dante network input** by RJ-45.

It converts the signal to analogue (if the selected input is Dante type) and distributes it in:

- **16 balanced line-level outputs**

- The **SMC 16 Active Splitter** for press consists of 1 line-level input + 1 Link output and 16 line-level outputs with output gain and monitoring (visual and headphones) in groups of 2.
- It is a device that makes it possible **to distribute an analogue or digital line signal on a Dante network, in up to 16 transformer-isolated outputs and the possibility of amplification of up to +6 dB, available for press equipment.**
- For operation with **Dante signal input, PoE 802.3af power is required**.
- This splitter is prepared to operate with **line signal.**
- The **flight case format** is a portable format for transporting using a handle.
- The **AR format** allows installation in a 19" rack cabinet.
- The **WR format** is designed for wall-hung installation.
- It has a **good frequency response** (deviation of 0.8 dB 20Hz-20KHz) and a very high CMRR (>100dB).

Applications

Installations with **Press Rooms** that need to distribute a **digital signal on a Dante network** or analogue signal on **16 line-level audio outputs** with gain **control per group**.
To distribute these signals to the press, **avoiding problems between the different devices** that will be connected to these outputs.

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Tech Specifications

Dante Input		
Sample Rate	44.1 KHz, 48 KHz (default) y 96 KHz	
Bit depth	24 bits	
Network speed	100 Mbps	
Power	PoE (Power over Ethernet) Class 1 802.3af POE PD compliant	
Analogue Input		
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)*	≤ 0.03%	
IMD *(+4 dBu, 60 Hz y 7KHz)*	≤ 0.05%	
Frequency Response *(+4 dBu, 20 Hz – 20 KHz)*	± 0.05 dB	
SNR *(+ 4 dBu, 1KHz, BW 20 KHz)*	96 dB	
CMRR *(+ 4 dBu, 1KHz)*	>90 dB	
Power	**Input Voltage**	200-240 V_{AC}(*)
	Input Frequency	50-60 Hz
	Current (230 V)	100 mA

(*) For use below that voltage consult technical support

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Physical Characteristics

Working Temperature	0-45°C
Finish	Electrostatic powder painting and direct print

Formats

Flight Case Portable briefcase with lid	**Wall Rack** Wall hanging box	**Caja AR** Box for installation in 19" rack
• Lid, metal clasps and harrd plastic handle • Reinforced corners • Base with non-slip rubber feet 540 x 220 x 230 mm	• Extruded aluminium panels • Wall rack box made of 1.5 mm steel sheet 515 x 235 x 100 mm	• Extruded aluminium panels 483 x 178 x 210 mm

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Environment

Once this device has reached the end of its useful life, it must be deposited in an electrical waste collection point.

Web: **www.pinanson.eu**
@: **pinanson@pinanson.eu**

PINANSON S.L
Avda. Constitución, 40. Mondéjar (Guadalajara). ESPAÑA
Teléfono: +34 949 385 444 · Fax: +34 949 385 643

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For possible changes due to continuous product improvements; Pinanson S.L. reserves the right to change the showed data in this document without notice. The data presented here correspond to the time it was compiled.