

## Tech Data

## PRESS SPLITTERS

### SPP 12 DANTE

1 Input - 12 Outputs  
Several Formats



### Description

- **1 RJ-45** Dante networked audio **Input**.
- **1 XLR-F** balanced by transformer **input** at line level
- **1 XLR-M** Balanced **output** for link.
- **12 XLR-M** insulated by transformer **outputs**.
- **High quality transformers** with a high CMRR (\*) (90 dB@1KHz)
- **Switch** to choose between analogue signal or Dante signal.
- **Dante** signal works with **PoE 802.3af**
- **Flight case, Wall plate** and **Wall Rack INS** format.

### Description

The **Splitter SPP12 Dante** is to be used both in a **Dante networked audio** installation and with **analogue audio**.

This device works with two inputs (switchable):

- A **line level balanced and analogue input** through XLR-H-3.
- A **networked Dante audio input** through RJ-45.

It converts the Dante signal to analogue audio input (if the Dante input is chosen) and **it is distributed** into:

- **12-line level balanced and analogue outputs**
- The **SPP12 Dante passive press splitter** consists of 1 XLR-F input + 1 RJ45 Dante input + 1 Link XLR-M output and 12 XLR-M outputs. It is a device that makes it possible to distribute an analogue or digital line signal in a Dante network, in up to 12 transformer-isolated outputs available for press equipment.
- For operation with **Dante** signal input **PoE 802.3af** power is required.
- This splitter is ready to work with a **line signal**.
- Several formats available: portable **Flight case** format, **Wall Plate** to be recessed in the wall with trim or **Wall rack INS box** to be recessed in the wall.
- This splitter has a very good frequency response (20Hz-20KHz deviation of  $\pm 0.8$  dB) and a very high **CMRR (90 dB)**.

### Application

Facilities with **Press Rooms** that need to distribute a **digital Dante signal or analog signal** into **12 audio outputs** at line level. To distribute these signals to the press media, avoiding problems between the different devices that will be connected to said outputs.

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### Tech Specifications

#### Dante input

<b>Sample Rate</b>	44.1 KHz, 48 KHz (default) and 96 KHz
<b>Bit depth</b>	24 bits
<b>Network speed</b>	100 Mbps
<b>Power</b>	PoE (Power over Ethernet) Class 1 802.3af POE PD compliant

#### Analogue Inputs/Outputs

<b>Max. Input Level</b>	50 Hz, THD+N = 0.4%	+ 8 dBu
	1 KHz, THD+N = 1%	+26 dBu
<b>Source Impedance</b> <i>(Balanced)</i>	150Ω	
<b>Load Impedance</b> <i>(Balanced)</i>	>1KΩ	
<b>Insertion Loss</b> <i>(Balanced Inputs/Outputs)</i>	With 12 output loads: With an Input impedance of 10 KΩ Insertion total loss: -0.4dB	
<b>THD + N</b> <i>(+4 dBu, 1 KHz)</i>	≤ 0.05%	
<b>IMD</b> <i>(+4 dBu, 60 Hz y 7 KHz)</i>	≤ 0.06%	
<b>Frequency Response</b> <i>(+4 dBu, 100 Hz – 20 KHz)</i>	Deviation	± 0.8 dB
<b>SNR</b> <i>(+ 4 dBu, 1 KHz, BW 20 KHz)</i>	118 dB	
<b>CMRR</b> <i>(4dBu, 1KHz)</i>	90 dB	

NOTE: this audio signal distribution is done passively so it is inevitable to increase the insertion loss as the loads on the splitter outputs increase.

As can be seen in the Technical Specification with the 12 outputs connected there would be a total insertion loss of -0.4 dB if a line input device of 10 KΩ is connected.

If is connected to a **microphone input of 1.8 KΩ impedance**, for instance, the **total insertion loss** with 12 outputs loaded would be **1.2 dB**.

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## Physical Characteristics

<b>Working temperature</b>	0-45 °C	
<b>Finish</b>	Direct printing	
<b>Formats</b>		
<p><b>Wall Plate</b></p> <p>Box for installation recessed in wall</p> <ul style="list-style-type: none"> <li>Extruded aluminum box to be embedded and screwed into the wall</li> </ul> <p>420 x 47 x 183 mm 2 Kg</p> 	<p><b>Flight Case</b></p> <p>Portable briefcase with lid</p> <ul style="list-style-type: none"> <li>Hard plastic lid, metal closures and handle.</li> <li>Reinforced corners.</li> <li>Base with non-slip rubber feet</li> </ul> <p>520 x 105 x 150 mm 3 Kg</p> 	<p><b>WR</b></p> <p>Box for installation recessed in wall</p> <ul style="list-style-type: none"> <li>Extruded aluminium panel.</li> <li>WR box made of 1.5 mm steel sheet.</li> </ul> <p>313 x 275 x 100 mm 3 Kg</p> 

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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.

