USER'S MANUAL

AUDIO LINK 4X4

ACTIVE SPLITTER
AR Format
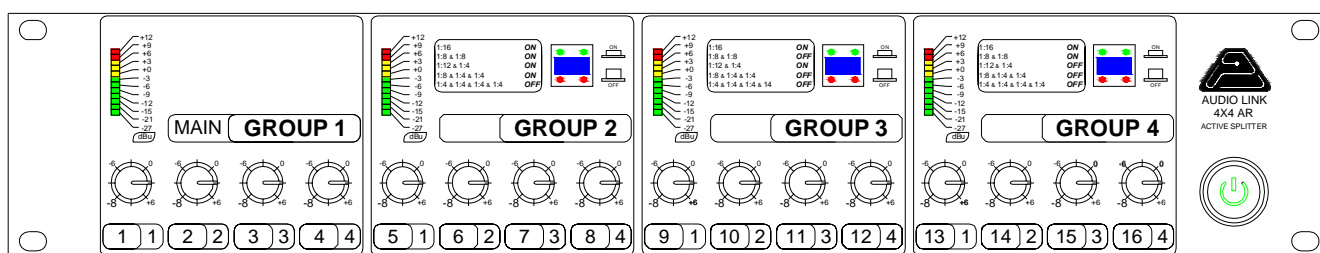
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ACTIVE SPLITTERS
Multichannel
AUDIO LINK 4X4

PÍNANSON S.L.LIMITED WARRANTY

The Warranty obligations of Pinanson S.L. for all products are limited to the terms set shown below:

(1) This **Warranty** covers defects in materials and workmanship in the products.

(2) This **limited warranty does not cover** any damage, deterioration or malfunction resulting from any alteration, modification, improper unreasonable use or maintenance, misuse, abuse, accident, neglect, exposure to excess moisture, fire improper packing and shipping (such claims must be presented to the carrier), lightning, power surges, or other acts of nature. This limited warranty does not cover any damage, deterioration or malfunction resulting from the installation or removal of this product from any installation, any unauthorized by Pinanson to make such repairs, or any other cause which does not relate directly to a defect in materials and/or workmanship of this product. This limited warranty does not cover cartons and enclosures.

(3) **Time Warranty:**
This limited warranty last for **two (2) years** from the date of original purchase of this product.

(4) **Who is covered?**
Only the original purchaser of our products is covered under this limited warranty. This limited warranty is not transferable to subsequent purchasers or owners of this product.

(5) **What** PINANSON **will do?**
PINANSON will apply the warranty according to one of these 2 options:
- Repair any defective parts within a reasonable period of time, free of any charge (shipping cost included), until the product is repaired in order to its normal use of work.
- Replace the product with a direct replacement or with a similar product deemed by Pinanson which performs the same function as the original product.

(6) **What** PINANSON **will not do?**
If the product is returned to Pinanson or the authorized dealer from which it was purchased, this product must be insured during shipment, with the insurance and shipping charges prepaid by you. If the product is returned uninsured you assume all risks of loss or damage during shipment. Pinanson will not be responsible for any costs related to the removal or re-installation of this product from or into any installation.

(7) **How to obtain a remedy under this Limited Warranty**
To obtain a remedy under this limited warranty, you must contact with Pinanson or either the authorized Pinanson reseller from whom you purchased the product. For a list of authorized Pinanson resellers and/or Pinanson authorized service providers, please visit our web site at www.pinanson.com .If it is decided that his product should be returned directly to Pinanson, this product should be properly packed, preferably in the original carton, for shipping.

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SAFETY CONSIDERATIONS

CAUTION-MAINS FUSE

TO REDUCE THE RISK OF FIRE REPLACE THE MAINS
FUSE ONLY WITH A SIMILAR FUSE
CURRENT: 3 A
BODY SIZE: 6 mm X 30 mm

CAUTION-MAINS CABLE

DO NOT ATTEMPT TO CHANGE OR TAMPER WITH
THE SUPPLIED MAINS CABLE

CAUTION-SERVICING

DO NOT PERFORM ANY SERVICING. REFER ALL
SERVICING TO QUALIFIED SERVICE PERSONEL.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK
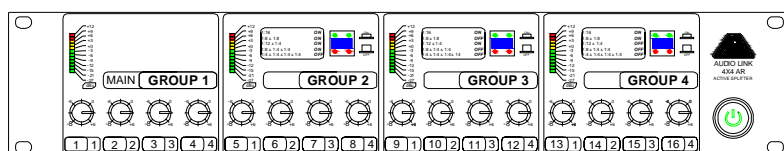DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR
MOISTURE

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ACTIVE SPLITTERS
Multichannel
AUDIO LINK 4X4

Description

The *Active Audio Link 4×4 Splitter* of *Pi nanson* offers to user **4 splitters in 1** with the following configurations:

- Distribution of **1** line signal into **16** outputs.
- Distribution of **2** line signals into **8** outputs per signal.
- Distribution of **2** line signals into **12** outputs and **4** outputs.
- Distribution of **3** line signals into **8** outputs, **4** outputs and **4** outputs.
- Distribution of **4** line signals into **4** outputs per signal.

- Potentiometer per each output, within that range: **- ∞ a +6 dB.**
- Buttons for input link and per group of 4 depending on configuration required.
- **Visual Monitoring** per input.
- By Transformer Insulated outputs (**optional**).
- **High Versatility** with up to **5 configuration options in the same device**.
- It offers the **Great Flexibility** which you need in an audio installation.
- Intuitive and straightforward use.
- Reliable response.

JUNE 2013

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ACTIVE SPLITTERS
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AUDIO LINK 4X4

The *Active Audio Link 4×4 Splitter of* Pinanson can work of **5 different ways**:

	Nº CHANNELS	Nº OUTPUTS per channel
OPTION 1	1	16
OPTION 2	2	8
OPTION 3	2	12
		4
OPTION 4	3	8
		4
		4
OPTION 5	4	4

Working with the *Active Audio Link 4×4 Splitter* is like doing it with **4 different splitters: 1→16, 1→12, 1→8, 1→4** which combined (depending on user's preferences) could cover a huge number of events no matter how different they are.

The configuration can be done in a very easy way pressing the *Link* button of each input.

This Splitter works at **line level** as inputs as outputs.

The user will have the outputs with the possibility to **modify the level with a potentiometer** per output and **check the output level** thanks to visual monitoring by *LEDS.*

This is an **AR Box model** for installation in 19'' Rack. You can have Fly Case format (if you want to move your splitter to any event in a comfortable and safe way) and Wall Rack format (for surface or recessed mounted) (Note 1).

The *Audio Link 4×4 Splitter* of Pinanson has a highly good Frequency Response (deviation in 20Hz-20KHz of ± 0.2 dB), low distortion (THD + N ≤ 0.01%) and really high Signal to Noise ratio (*SNR)* of 97 dB.

Note 1: Consult other formats on the website www.pinanson.com .
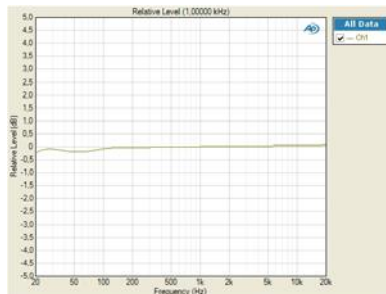
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Multichannel
AUDIO LINK 4X4

Applications

For **Press rooms**, **PA signals distribution for different rooms, Mono/Stereophonic signals, Different Languages distribution, Different Instruments for recording, etc.,** where is necessary the quickly and flexibly distribution of different input signals into several outputs depending on in the configuration for each different event changing easily the number of inputs/outputs.

(See page 9)

Tech Specifications

Max. Input Level	1 KHz, THD+N = 1%	+20 dBu
Input Impedance *(Balanced, +4 dBu,1 KHz)*	44 KΩ	
Output Impedance *(Balanced, +4 dBu,1 KHz)*	300 Ω	
Max. Gain *(Balanced Input/Output)*	– ∞ a +6dB (steps of 0.5 dB)	
THD + N *(+4 dBu, 1 KHz)*	≤ 0.002%	
IMD *(+4 dBu, 60 Hz y 7 KHz)*	≤ 0.003%	
Frequency Response *(+4 dBu, 20 Hz – 20 KHz)*	Deviation	± 0.2 dB
	Relative Level (@1000 Hz) 	
SNR *(+ 4 dBu, 1 KHz, BW 20 KHz)*	98 dB	
CMRR *(+4 dBu, 1 KHz)*	>60 dB	

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Crosstalk *(+ 4 dBu, 10 KHz)*		-85 dB	
Power	Input Voltage	85 V$_{AC}$ to 270 V$_{AC}$	
	Input Frequency	47 Hz to 63 Hz	

Physical Characteristics

Enrackable Format

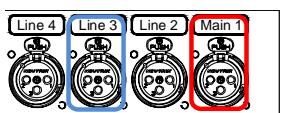| Box Frame	Lids
- Extruded Aluminium. 6063 Alloy. *T5 Treatment.* - Finish: - Electrostatic powder coating 100 – 150 µ. - Textured matte black colour. - Serigraphy: Laser engraving.	Material: Calibrated Steel sheet of 1.5 mm.
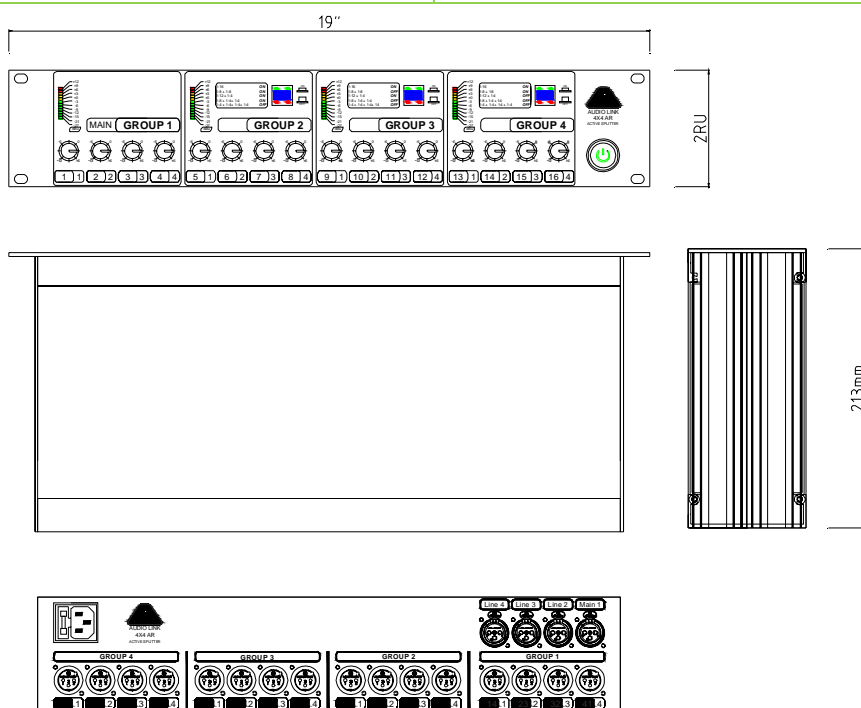
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Configuration

1) Install the splitter in a Rack 19''.
2) Connect the **IEC Power cable** and **turn ON** the Power button.
3) Connect your XLR-M cables with the input signal according to the splitting configuration you want as follows:

| OPTIONS	INPUTS	DRAWING
OPTION **1:16** 1 channel	Main 1 Outputs from 1 to 16	
OPTION **1:8 & 1:8** 2 channels	Channel 1 → Main 1 Outputs from 1 to 8 Channel 2 → Line 3 Outputs from 9 to 16	
OPTION **1:12 & 1:4** 2 channels	Channel 1 → Main 1 Outputs from 1 to 12 Channel 2 → Line 4 Outputs from 13 to 16	
OPTION **1:8 & 1:4 & 1:4** 3 channels	Channel 1 → Main 1 Outputs from 1 to 8 Channel 2 → Line 3 Outputs from 9 to 12 Channel 3 → Line 4 Outputs from 13 to 16	
OPTION **1:4 & 1:4 & 1:4 & 1:4** 4 channels	Channel 1 → Main 1 Outputs from 1 to 4 Channel 2 → Line 2 Outputs from 5 to 8 Channel 3 → Line 3 Outputs from 9 to 12 Channel 4 → Line 4 Outputs from 13 to 16	

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☐ Channel 1   ☐ Channel 3

☐ Channel 2   ☐ Channel 4

4) Configure the switches according to your application reading the inscription to do it.
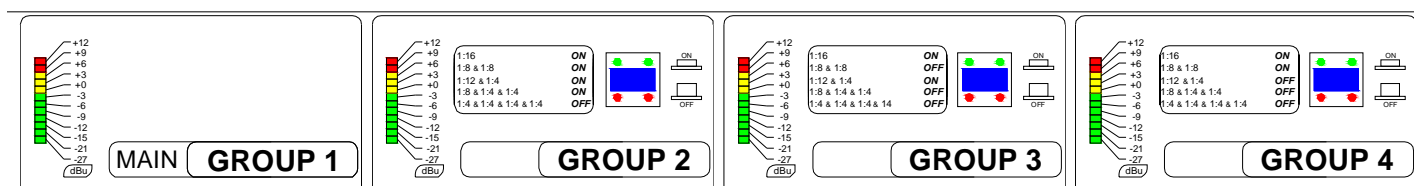
For example, if you want the *1:8&1:4&1:4 option*: GROUP 2 → SWITCH **ON (LED red)**
GROUP 3 → SWITCH **OFF (LED green)**
GROUP 4 → SWITCH **OFF (LED green)**
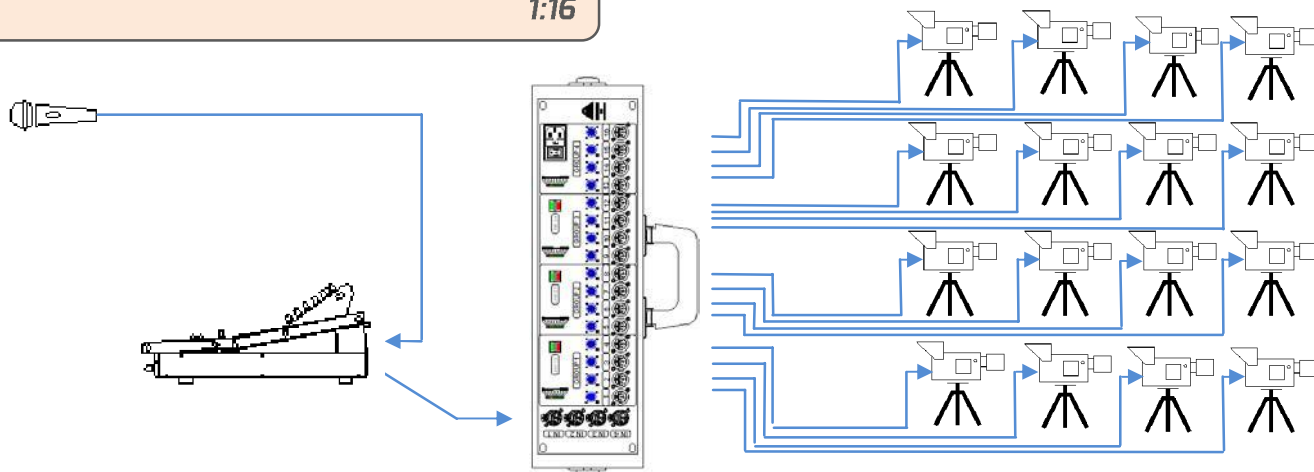
5) Connect the XLR – F cables in the outputs.
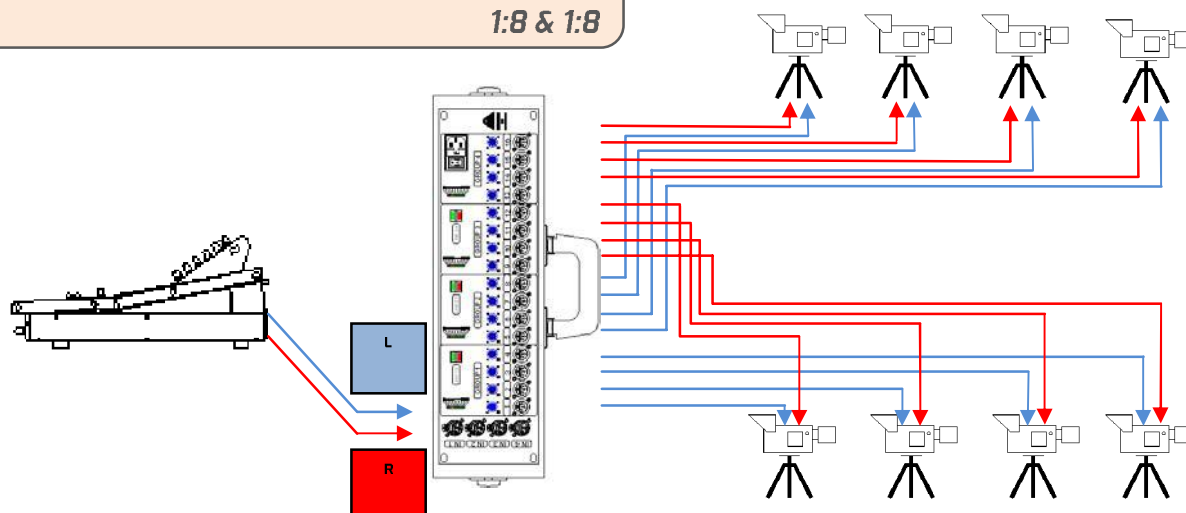
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Examples of Working Modes

OPTION 1: Distribution of **1 signal** into **16 outputs.**
1:16

OPTION 2: Distribution of **1 STEREO signal** into **8 STEREO outputs.**

1:8 & 1:8

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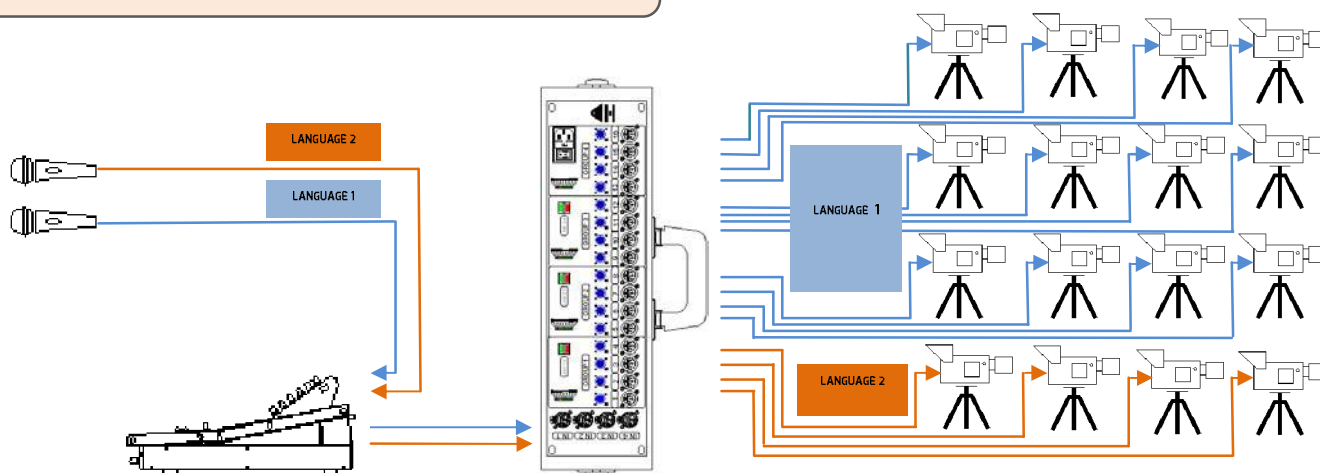Scenic arts · Broadcast · Professional Sound · A/V
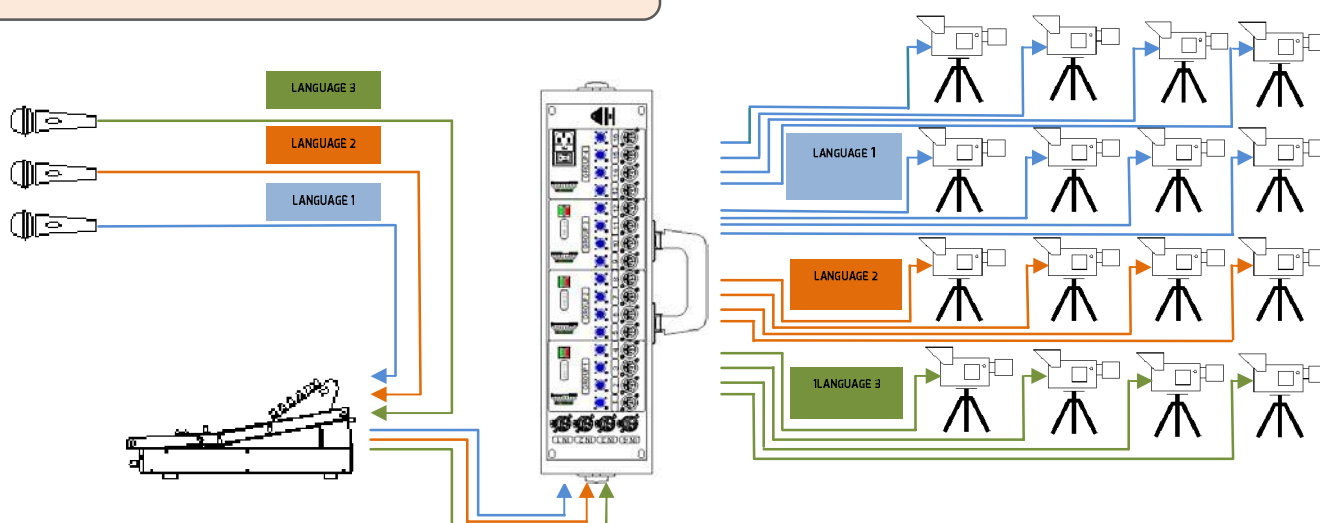
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OPTION 3: Distribution of **2 different LANGUAGES**
1:12 & 1:4

OPTION 4: Distribution of **3 different LANGUAGES**
1:8 & 1:4 & 1:4

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OPTION 5: Distribution of **4 different LANGUAGES**
1:4 & 1:4 & 1:4 & 1:4

LANGUAGE 4
LANGUAGE 3
LANGUAGE 2
LANGUAGE 1

LANGUAGE 1
LANGUAGE 2
LANGUAGE 3
LANGUAGE 4