

Audio-3s

Audio switch / splitter

Professional switch and splitter for digital audio



# Audio-3s - Audio switch / splitter



## General

- ▶ The perfect companion for redundant audio streaming
- ▶ 3 stereo channel audio splitter or audio switch selectable in one device
- ▶ By-pass relay for continuous operation, even after power failure
- ▶ Dual power supplies (230 VAC and/or -48vDC, Internal or Hot-swap)
- ▶ Remote control via IP (SNMP/WebGUI) and GPIO

## Audio Splitter

- ▶ One digital Audio (AES/EBU) Input via female XLR-3
- ▶ Up to three Audio Outputs (AES/EBU) male via XLR-3
- ▶ Active Audio Distribution Amplifier with power supply and bypass relays, so the level will remain stable when disconnecting one of the outputs
- ▶ In case of power failure, passive bypass to Audio 1

## Audio Switch

- ▶ Up to three Audio Inputs via female XLR-3
- ▶ One Audio Output (AES/EBU) via male XLR-3
- ▶ Adjustable detection of audio presents and automatic switch over
- ▶ Passive loop through in case of power failure

## Control

- ▶ Remote control via GPIO, WebGUI or SNMP
- ▶ Multiple access levels (Read-only, Manager & Administrator)

## Monitoring

- ▶ Headphone output

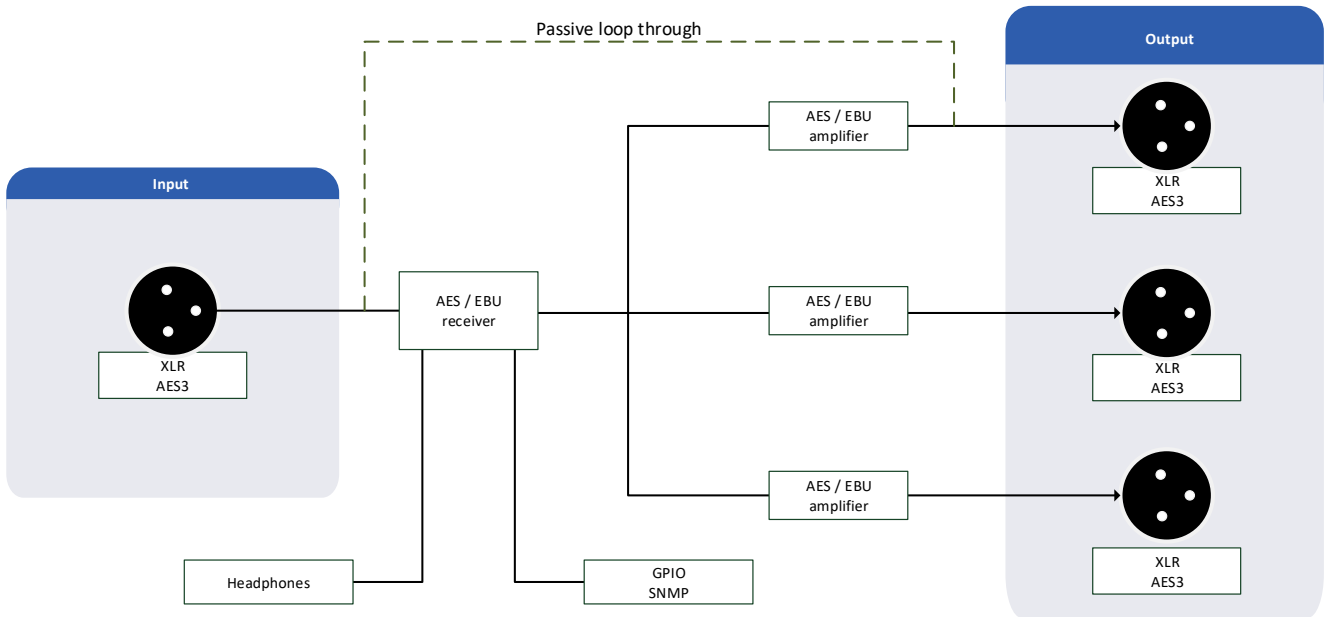
## Backup / advanced redundancy management

- ▶ Passive loop through relays available
- ▶ Optional: Redundant power supply 230 VAC or -48 VDC

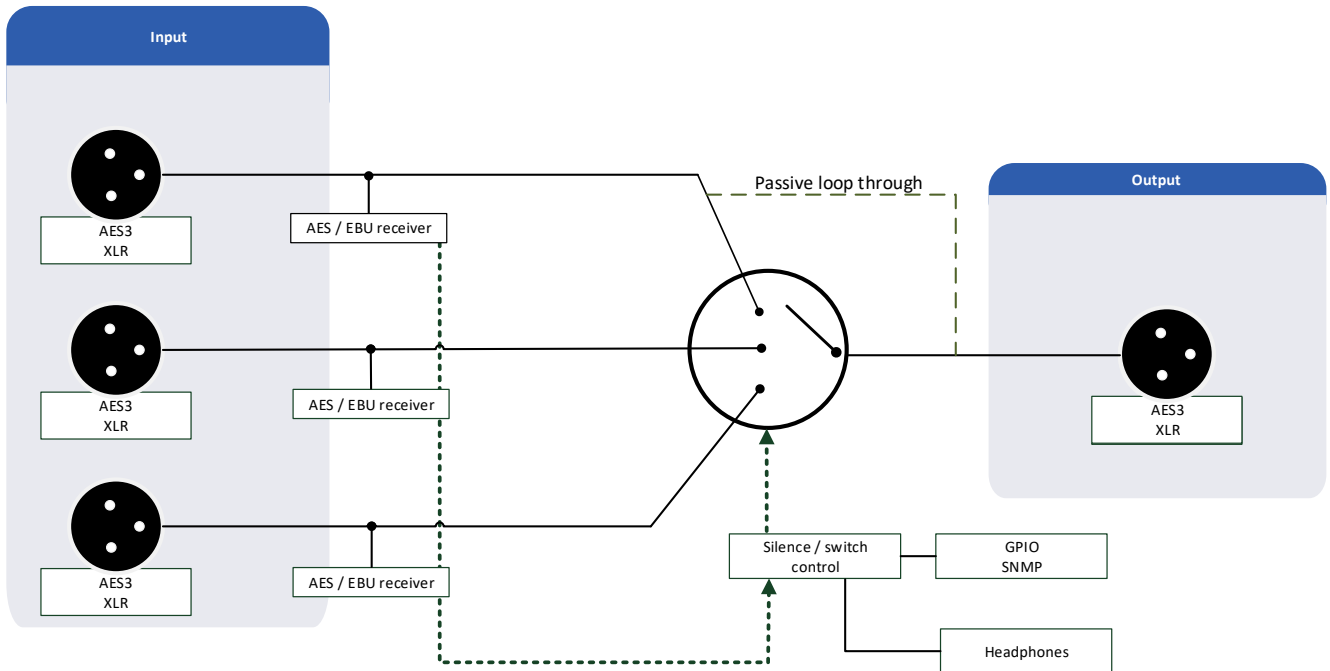


# Audio – 3s splitter / switch

## Audio splitter



## Audio switch





# Technical details 1/2



## Interfaces

### Performance

<b>Digital in</b>	2x AES/EBU, 110 Ω bal., integrated XLR
<b>Digital out</b>	3x AES/EBU, 110 Ω bal., integrated XLR
<b>Amplifier</b>	3-way AES/EBU stereo digital distribution amplifier
<b>Headphone (out)</b>	L/R, < 10 Ω, 6,3 mm
<b>Dynamic range</b>	16 Bit, > 89 dB 24 Bit, > 130 dB
<b>Sample rates</b>	16 kHz...192 kHz
<b>Insertion Loss</b>	<0.1 dB
<b>Impedance</b>	110 Ω ±2%
<b>Output Insulation</b>	>40 dB
<b>Max. voltage level</b>	10 Vpp

### Ethernet

<b>Data</b>	Controlling and setup functions
<b>Connector</b>	3x RJ45
<b>Type</b>	Auto switching 10/100/1000 BASE-T

### Contact closure

<b>Inputs</b>	8 inputs 26 pole sub-D male
<b>Outputs</b>	7+1 floating relays 7 relays SPST (from A) 1 relay SPDT (from C) DC: max. 30 V, 1 A, 10 W 26 pole sub-D male

## Control & monitor

### Ethernet

<b>User interface</b>	Integrated WebGUI, LCD display
<b>Data</b>	Control and setup functions
<b>Optional</b>	Private data, MPEG ancillary data (IRT)
<b>USB</b>	USB 2.0 interface for service, configuration and firmware updates
<b>Protocol</b>	2wcom NMS, Telnet, HTTPS, SNMP, UDP, Reliable Transport, SFTP, IGMP, ICMP, NTP, DHCP, SNMP, SSH, PTPv2, TCP

### Front panel

<b>LCDisplay</b>	Graphical, 264x64 pixel
<b>Jog wheel</b>	Impulse, enter button
<b>4 Duo LEDs</b>	Power, input, output, warning



# Technical Details 2/2

## General data

<b>Power consumption</b>	<20W
<b>Case dimensions</b>	19", 1 HU, Depth: 310 mm, Width: 424 mm, Front panel: 484 mm
<b>Weight</b>	< 5 kg
<b>Material</b>	Steel plate (aluminium-zinc coated)
<b>Operating temp. range</b>	0...+45°C
<b>Storage temp. range</b>	-40...+70°C
<b>Languages</b>	English

## Power supply

<b>Standard</b>	1x internal, 90...260 VAC, 47...63 Hz, 1x power port (EU Type- socket)
<b>Optional version 1</b>	Two internal redundant power supplies (230 VAC or -48 VDC), auto switchover
<b>Optional version 2</b>	Two hot swappable redundant power supplies (230 VAC or -48 VDC), auto switchover

## Available models

<b>Audio-3s Splitter</b>	3 channel AES/EBU audio splitter
<b>Audio-3s Switch</b>	3 channel AES/EBU redundancy switch