

AVRed-ES100 Overview

AVRed-ES100 is an EtherSound ES100 redundant links management device in a 19" 1U rack box for safety audio distribution over Ethernet with ultimate low propagation delay.

AVRed-ES100 secures an EtherSound connection with 2 redundant links A/B and automatic real time measurement of communication quality as well as 4 samples latency switch on the more accurate link. AVRed-ES100 can work in pair with another AVRed-ES100 unit for very low propagation delay or placed after a standard Ethernet switch for cost sensitive installation.

AVRed-ES100 integrates a DC power supply Aux plug and integrated survey logic selecting the better power supply and able to automatically switch from one to any other in case of failure.

AVRed-ES100 enables network remote installation survey thanks to its native integrated network status and provides a local 3rd port for controlling a complete ES100 network through it.

Mechanical Specifications

19 inches 1U rack box



Key Features

- ES100 network IN/OUT port enabling the device to be used as a duplicate link A/B box or as a merging box
- 2 active redundant links A/B with automatic selection of best link depending on link quality and integrity
- 3rd port for direct remote control or monitor of ES100 network
- Serial RS232 port with virtual tunnelling capability to other serial port on an ES100 network
- Auxiliary DC In connector and integrated redundant power supply management
- Full display on Front Panel of active link A or B and of both link quality and status
- Full bidirectional cable monitoring and redundancy when used as AVRed-ES100 pair
- Cost optimisation when used after an EtherSound compatible switch for cable disconnection and downstream redundancy
- Optional optical version with integrated dual media converters and front face optical connectors

Applications

- Product for Distribution, routing and control of audio for live and touring installations
 - ◆ Live broadcast PA/announcement
 - ◆ Live entertainment and concerts
 - ◆ TV and Radio Outside Broadcast
 - ◆ Itinerant Museums and Theatres
- Product for Transportation public address
 - ◆ Train and bus station terminals
 - ◆ Airport facilities and audio distribution
 - ◆ Cruise Ships paging including onboard entertainment and leisure centre audio facilities
- Product for fixed installation with high quality Audio distribution, paging and zone management:
 - ◆ Stadium, Opera, theatre, museum and arts centres
 - ◆ Theme parks and resorts
 - ◆ Public Address: touring and fixed sound reinforcement
 - ◆ Broadcasting
 - ◆ Office blocks, corporate boardrooms and buildings PA

Configurations



