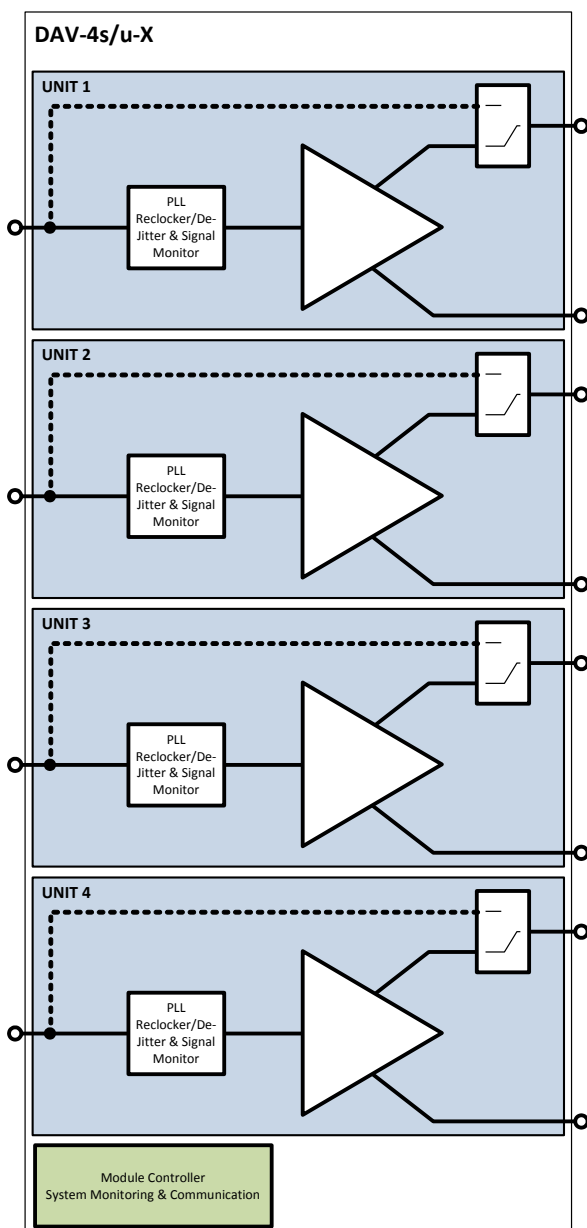


Datasheet DAV-4s-X, DAV-4u-X

Quad 1-to-2 AES/EBU Audio Splitter DA for HSM-X



The DAV-4s-X and DAV-4u-X are digital audio distributing amplifiers for the HEADROOM Broadcast HSM-X modular system.

Both feature four independent splitters with one input and two outputs. The input is monitored and reclocked for low jitter. The status of all inputs is signaled to the system controller SMI-X for SNMP/Web display and signalled by LEDs on the modul's front panel. Please refer to the system manual for the web and SNMP implementation details.

Each unit can be deactivated individually in the web interface, to surpress the light up of the major error LED when that unit is not used.

Their input is fed to the first output over bypass relays in case of power loss. This prevents a single point of failure in redundant networks. The HEADROOM Broadcast DAS-44s/u-X is the fitting quad automatic switch on the receiving side for this use case.

One module will fit in one slot of a HSM-X cabinet (HBB3-X or PB1-X). All connectors and LED are located on the front of the module.

The DAV-4s-X is the balanced version with SUB-D connectors for inputs and outputs. The DAV-4u-X is the unbalanced version with DIN 1.0/2.3 connectors.

Technical Data

DAV-4u-X

| | |
|--------------------------------|--|
| AES3 inputs | digital audio AES-3 |
| Input level | nominal 1V |
| Impedance | 75 Ω |
| Interface | 4 x coaxial connector 1.0/ 2.3, 75 Ω |
| Interface protection | transformer coupled |
| AES3 outputs | digital audio AES-3id |
| Output level | nominal 1V |
| Impedance | 75 Ω |
| Interface | 8 x coaxial connector 1.0/ 2.3, 75 Ω |
| Interface protection | transformer coupled |
| Signal quality criteria | AES3 framing, Biphase-Mark violation |
| LED | Yellow; power 4 x green; audio signal per input Red; error Orange; configured |
| Power consumption | max. 3 watts |

DAV-4s-X

| | |
|--------------------------------|--------------------------------------|
| AES3 inputs | digital audio AES-3 |
| Input level | max. 7V _{pp} |
| Impedance | 110 Ω |
| Interface | SUB-D 15 female (Tascam pin layout) |
| Interface protection | transformer coupled |
| AES3 outputs | digital audio AES-3 |
| Output level | typ. 5V _{pp} |
| Impedance | 110 Ω |
| Interface | SUB-D 25 female (Tascam pin layout) |
| Interface protection | transformer coupled |
| Signal quality criteria | AES3 framing, Biphase-Mark violation |
| LED | see DAV-4u-X |
| Power consumption | max. 3 watts |

DAV-4s-X Pin Layout

(HW) marks the bypassed output in powerless state

