

Unbalanced AES Word Clock Extractor Audio Distribution Amplifier

520DARS-W



The 520DARS-W provides a compact method extracting word clock from your AES digital audio reference signals. The 520DARS-W features one auto-equalized input with 4 word clock outputs and 5 reclocked audio outputs.

The 520DARS-W can be used in conjunction with the 5600MSC Master Clock/SPG system

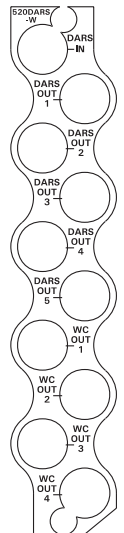
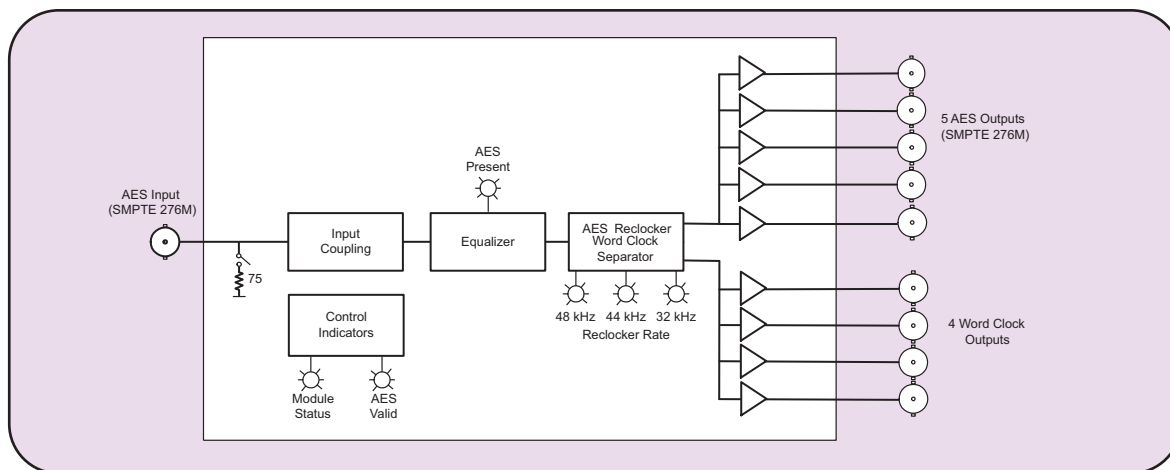
The 520DARS-W is housed in the 500FR *exponent* Frame that will hold up to 16 modules.

Features

- Supports AES audio over 75Ω coax (SMPTE 276M)
- 4 word clock outputs (AES11-2003)
- 5 reclocked outputs provides jitter reduction (SMPTE 276M)
- Automatic equalization provides extended cable length capabilities
- High impedance or 75Ω termination on input (jumper selectable)
- Card edge indicators for AES present, reclocker rate, and AES validity bit
- Tally output of input error conditions

- VistaLINK™ -enabled for remote monitoring via SNMP (using VistaLINK™ PRO) when installed in 500FR frame with 500FC VistaLINK™ Frame Controller

520DARS-W Block Diagram



Specifications

AES Input:
Standard: SMPTE 276M
Number of Inputs: 1
Connector: BNC per IEC 60169-8 Amendment 2
Input Level: 1V p-p
Coupling: Transformer
Input Impedance: 75Ω
Return Loss: >25dB 100kHz to 6MHz
Equalization: Automatic to 1500m with Belden 1694A (or equivalent) @ 48kHz AES signal
Sampling Frequency: 32kHz, 44.1kHz, 48kHz and 96kHz

AES Output:
Number of Outputs: 5 Unbalanced AES
Connector: BNC per IEC 60169-8 Amendment 2
Output Level: 1V p-p
Output Impedance: 75Ω
Return Loss: >25dB 100kHz to 6MHz

Word Clock Outputs:
Standard: AES11-2003
Number of Outputs: 4
Connectors: BNC per IEC 169-8
Signal Level: 5Vpp square wave (0-5V) ±0.5V

Physical:
Number of Slots: 1

Electrical:
Voltage: +12VDC
Power: 5 Watts
EMI/RFI: Complies with FCC Part 15 Class A
EU EMC Directive

Ordering Information:
520DARS-W Unbalanced AES Word Clock Extractor Audio Distribution Amplifier (1x9)

Enclosure:
500FR *exponent*
S501FR Compact High Density Distribution Frame
Standalone enclosure