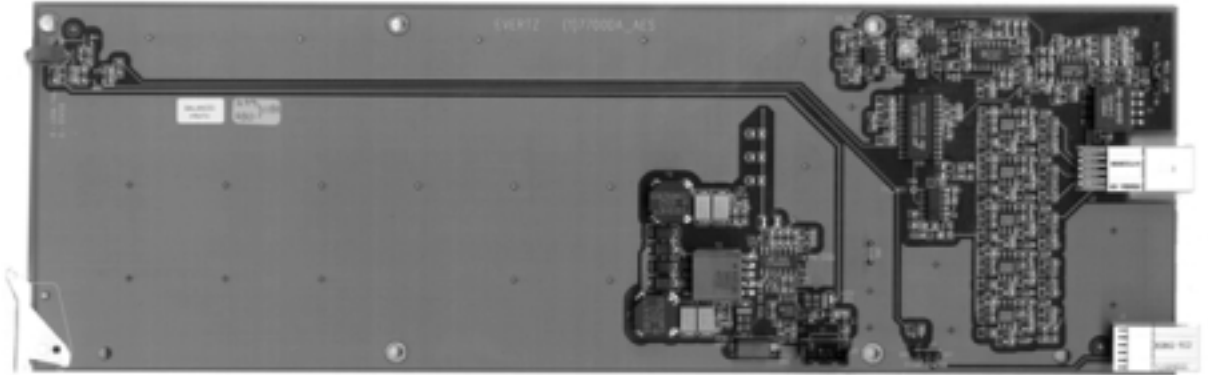


AES/EBU Distribution Amplifier

Model 7700DA-AESU



The 7700DA-AESU is a five output reclocking and auto equalizing DA for 75 Ω AES signals. The DA will automatically equalize AES signals on Belden 1694A coax to 1500m. The DA will reclock data with sampling frequencies of 32KHz, 44.1KHz, 48KHz and 96KHz.

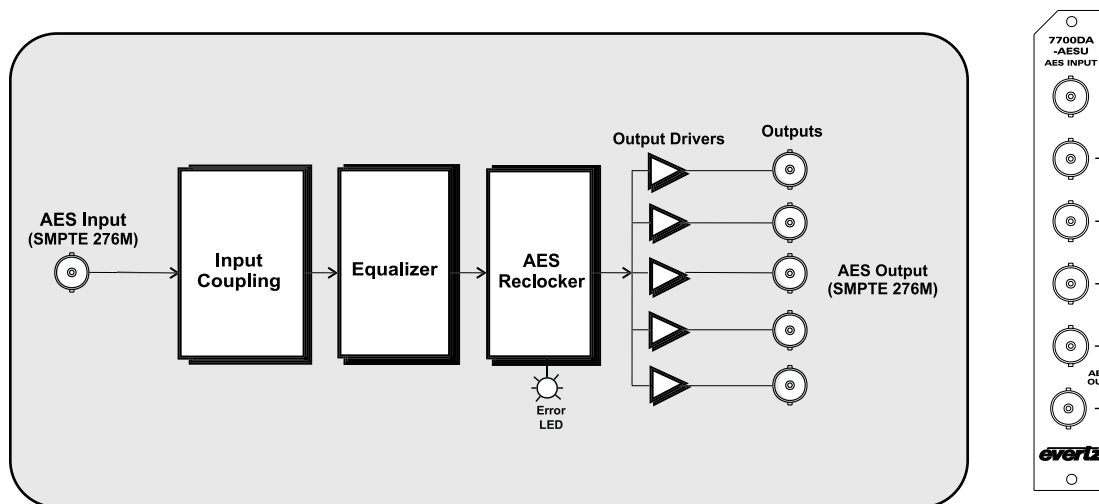
The 7700DA-AESU card edge LED indicators provide quick and accurate assessment of the incoming signal integrity. The 7700DA-AESU also provides a contact closure output that can be configured using on-board jumpers to assert when an input error condition exists.

Features

- SMPTE 276M standard for AES audio on 75 Ω coax
- Transformer coupled 75 Ω unbalanced input (selectable Hi-Z)
- Data reclocking provides jitter reduction
- Automatic equalization
- EQ and reclock provide extended cable length compensation (>1500m)
- Five 75 Ω coax outputs
- Error LED indication for input PLL out of lock, parity error or biphas coding error
- External indication of input error condition using contact closure output

AES/EBU Distribution Amplifier

7700DA-AESU Block Diagram



Specifications

AES Input:

Standards:	SMPTE 276M (jumper selectable)
Number of Outputs:	1
Connector:	BNC input per IEC 169-8
Input Level:	1V p-p
Coupling:	Transformer
Input Impedance:	75 Ω (Selectable Hi-Z)
Return Loss:	30dB
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 Per Card Reclocked
Connector:	BNC per IEC 169-8
Output Level:	1V p-p
Output Impedance:	75 Ω
Return Loss:	30 dB

Physical:

Number of Slots:	1
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Electrical:

Voltage:	+12VDC
Power:	1.2 Watts
EMI/RFI:	Complies with FCC Part 15 Class A Complies with EU EMC Directive

Ordering Information:

7700DA-AESU	Autoequalizing unbalanced AES/EBU Distribution Amplifier
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7700P (3RU rear connector plate) shipped standard with module

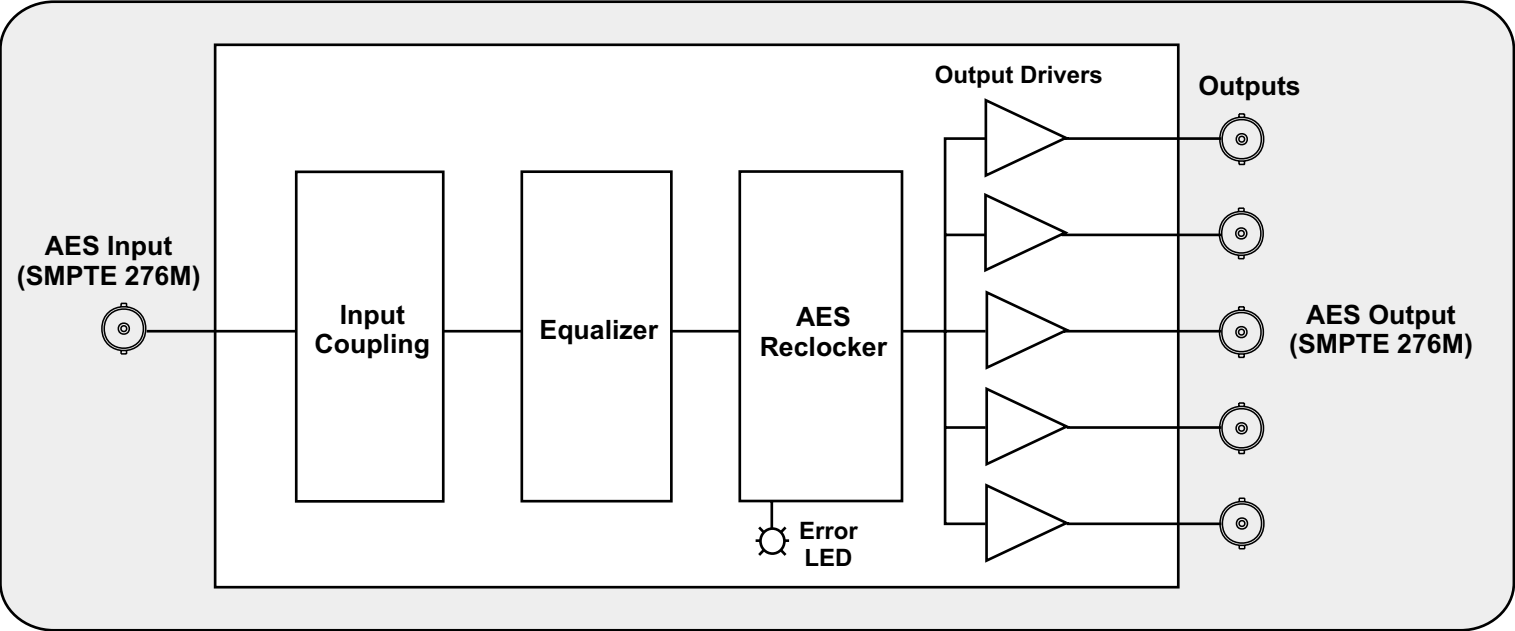
Ordering Options:

R7701P	1RU rear connector plate for 7701FR frame
S7701FR	Standalone enclosure with rear connector plate

Enclosures:

7700FR-C	3RU Multiframe
7701FR	1RU Multiframe
S7701FR	Standalone enclosure

7700DA-AESU Block Diagram



7700DA-AESU Rear Panel

