

7700DA-AESU

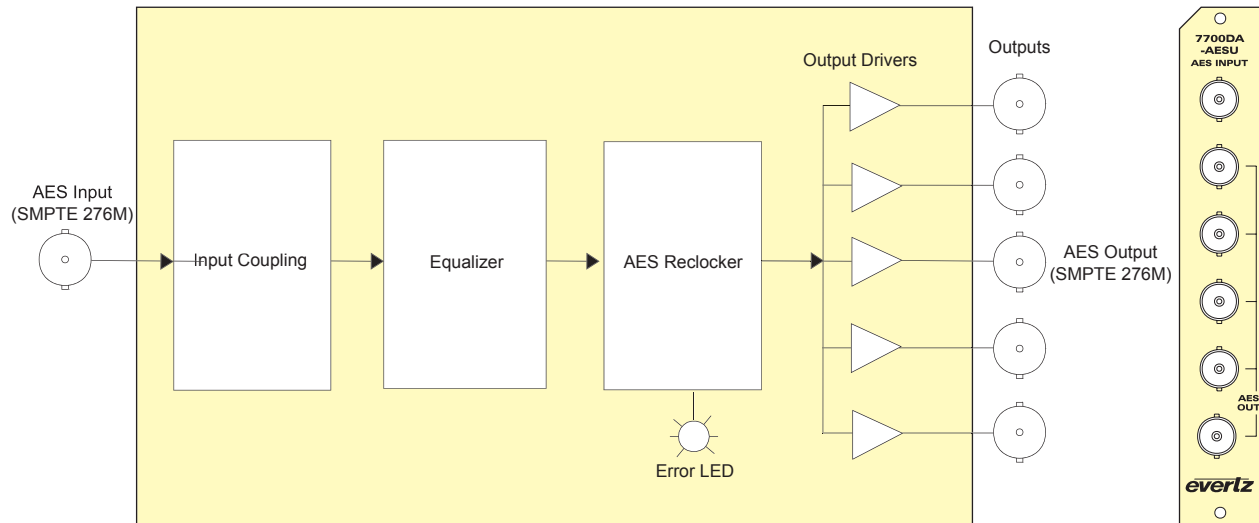
Auto Equalizing Unbalanced AES / EBU Distribution Amplifier (1x5)

The 7700DA-AESU is a five output reclocking and auto equalizing DA for 75 Ω unbalanced AES signals. The DA will automatically equalize AES signals on Belden 1694AA 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 & Benefits

- 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



Specifications

AES Input:		AES Output:		Electrical:	
Standard:	SMPTE 276M	Number of Outputs:	5 per card reclocked	Voltage:	+12V DC
Number of Inputs:	1	Connector:	BNC per IEC 60169-8 Amendment 2	Power:	1.2W
Connector:	BNC per IEC 60169-8 Amendment 2	Output Level:	1V p-p	EMI/RFI:	Complies with FCC Part 15, Class A
Input Level:	1V p-p	Output Impedance:	75 Ω		EU EMC Directive
Coupling:	Transformer	Return Loss:	> 25dB 100kHz to 6MHz		
Input Impedance:	75 Ω (Selectable Hi-Z)	Physical:			
Return Loss:	> 25dB at 100kHz to 6MHz	Number of Slots:	1		
Equalization:	Automatic to 1500m with Belden 1694A (or equivalent) @ 48kHz AES signal				
Sampling Frequency:	32kHz, 44.1kHz, 48kHz and 96kHz				

Ordering Information

7700DA-AESU	Auto Equalizing Unbalanced AES/EBU Distribution Amplifier (1X5)	Enclosures	
Ordering Options	Rear Plate must be specified at time of order Eg: Model +3RU	7700FR-C	3RU Multiframe which holds up to 15 single slot modules
		7701FR	1RU Multiframe which holds up to 3 single or dual slot modules
		S7701FR	Standalone enclosure
Rear Plate Suffix			
+3RU	3RU Rear Plate for use with 7700FR-C Multiframe		
+1RU	1RU Rear Plate for use with 7701FR Multiframe		
+SA	Standalone Enclosure Rear Plate		