

7700DA-AES-RJ

Auto Equalizing Balanced AES/EBU Distribution Amplifier Over CAT5 Cable

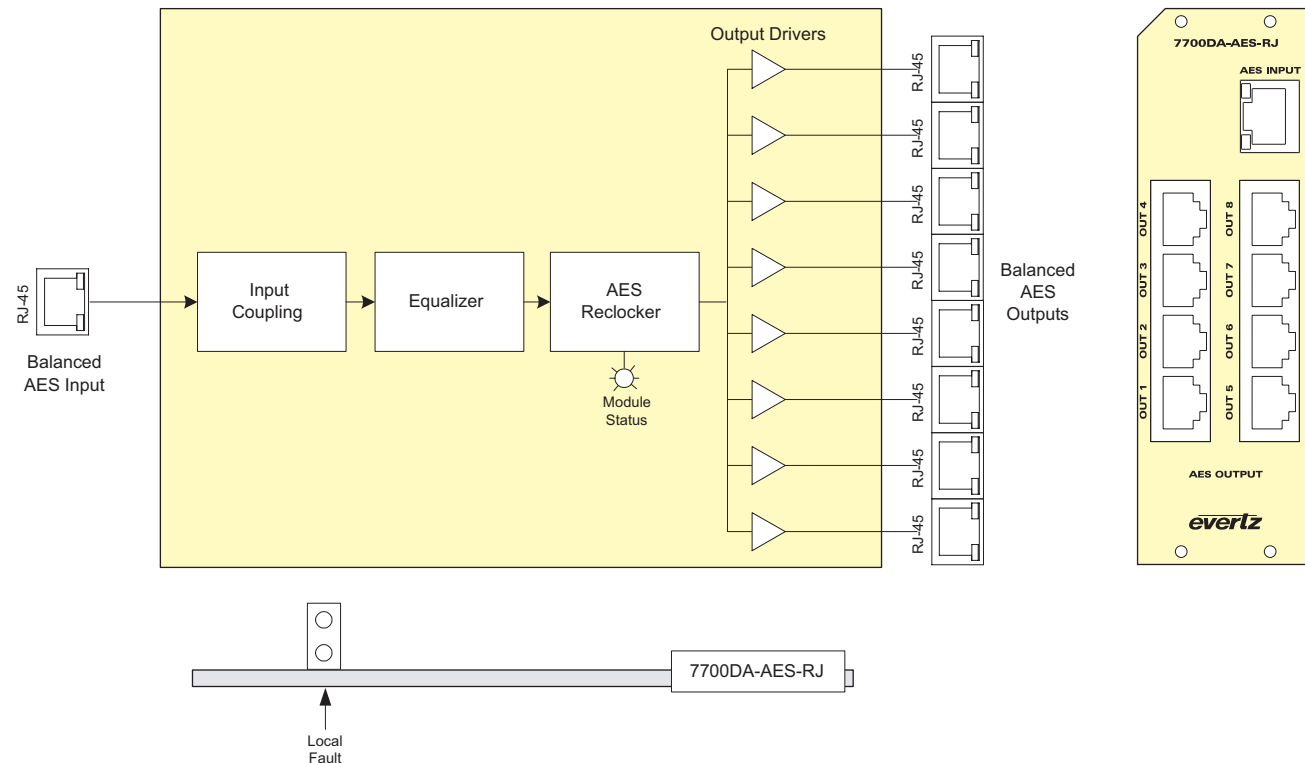
The 7700DA-AES-RJ is an eight-output distribution amplifier with auto equalizing inputs and reclocking for 110 Ω balanced AES signals. The DA will automatically equalize a single balanced AES signal delivered over standard CAT 5 type cables with RJ-45 head connector. The DA will reclock the data with sampling frequencies of 32kHz, 44.1kHz, 48kHz and 96kHz.

The 7700DA-AES-RJ modules are equipped with card edge LED indicators that are used to provide quick and accurate assessment of the incoming signal integrity.

The 7700DA-AES-RJ modules occupies one card slot and can be housed in a 1RU frame which will hold up to 3 modules, a 3RU frame which will hold up to 15 modules, a 350FR portable frame which will hold up to 7 modules or a standalone enclosure that will hold 1 module.

►Features & Benefits

- AES3-1992 standard for AES audio on 110 Ω twisted pair cable
- Transformer coupled 110 Ω balanced input (selectable Hi-Z)
- Data reclocking provides jitter reduction
- Automatic equalization
- Equalization and reclocking provides extended cable length compensation
- 8 - 110 Ω balanced outputs
- Error LED indication for input PLL out of lock, parity error or biphas coding error



►Specifications

AES Input:		AES Outputs:		Electrical:	
Standard:	AES3-1992	Number of Outputs:	8 reclocked	Voltage:	+12V DC
Number of Inputs:	1	Connector:	RJ-45	Safety:	ETL Listed, complies with EU low voltage directive
Connector:	RJ-45	Output Level:	5V p-p	Power:	< 1.8W
Input Level:	2 to 7V p-p	Output Impedance:	110 Ω	EMI/RFI:	Complies with FCC Part 15, Class A
Coupling:	Transformer				EU EMC Directive
Input Impedance:	110 Ω			Physical (number of slots):	
Equalization:	Automatic to 300m with CAT5 (or equivalent) @ 48kHz AES signal			350FR:	2
Sampling Frequency:	32kHz, 44.1kHz, 48kHz, and 96kHz			7700FR-C:	2
				7800FR:	2

►Ordering Information

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Ordering Options Rear plate must be specified at time of order
Eg: Model +3RU

Rear Plate Suffix
+3RU 3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe
+1RU 1RU Rear Plate for use with 7701FR Multiframe
+SA Standalone Enclosure Rear Plate

Enclosures

350FR 3RU Portable Multiframe which holds up to 7 single slot modules
7700FR-C 3RU Multiframe which holds up to 15 single slot modules
7800FR 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