

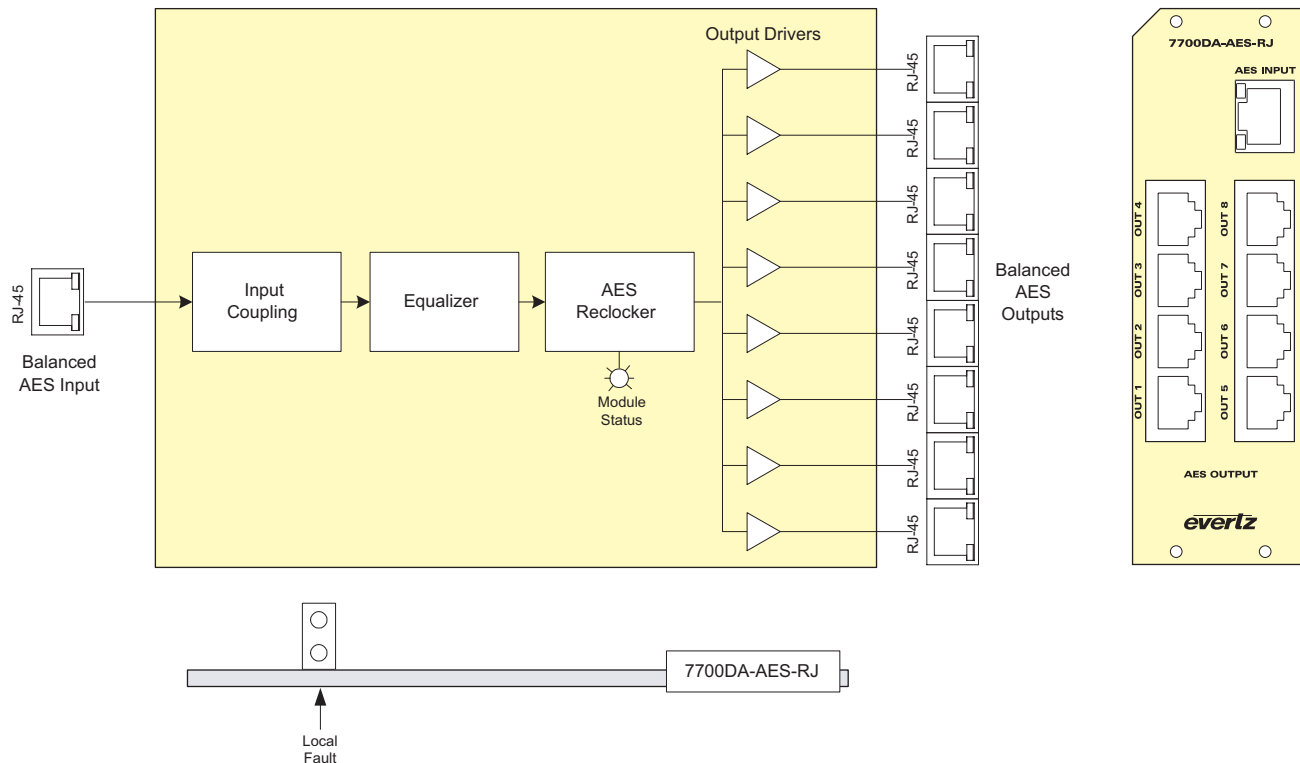
The 7700DA-AES-RJ is an eight-output distribution amplifier with auto equalizing inputs and reclocking for 110 $\Omega$  balanced AES signals. The DA will automatically equalize a single balanced AES signal delivered over standard CAT 5 type cables with RJ-45 head connector. The DA will reclock the data 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 $\Omega$  twisted pair cable
- Transformer coupled 110 $\Omega$  balanced input (selectable Hi-Z)
- Data reclocking provides jitter reduction
- Automatic equalization
- Equalization and reclocking provides extended cable length compensation
- 8 - 110 $\Omega$  balanced outputs
- Error LED indication for input PLL out of lock, parity error or biphas coding error



### ►Specifications

|                     |  |                     |              |                                    |   |
|---------------------|--|---------------------|--------------|------------------------------------|---|
| <b>AES Input:</b>   |  | <b>AES Outputs:</b> |              | <b>Electrical:</b>                 |   |
| 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 $\Omega$ | EMI/RFI:                           | Complies with FCC Part 15, Class A EU EMC Directive |
| Coupling:           | Transformer  |                     |              | <b>Physical (number of slots):</b> |   |
| Input Impedance:    | 110 $\Omega$   |                     |              | 350FR:                             | 2   |
| Equalization:       | Automatic to 300m with CAT5 (or equivalent) @ 48kHz AES signal |                     |              | 7700FR-C:                          | 2   |
| Sampling Frequency: | 32kHz, 44.1kHz, 48kHz, and 96kHz                               |                     |              | 7800FR:                            | 2   |

### ►Ordering Information

|                      |   |
|----------------------|---|
| <b>7700DA-AES-RJ</b> | Auto Equalizing Balanced AES/EBU Distribution Amplifier Over CAT5 Cable |
|----------------------|---|

**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