

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 110Ω 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.

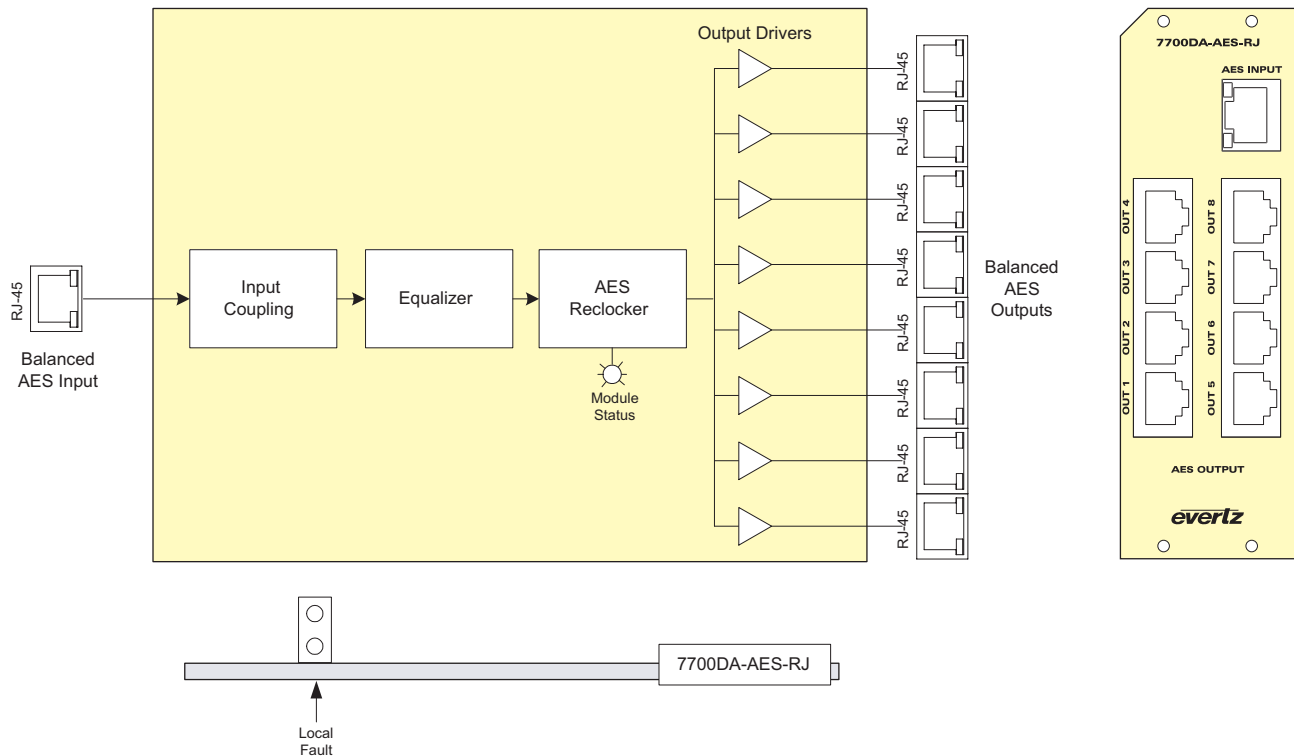
The 7700DA-AES-RJ modules are equipped with card edge LED indicators that are used to provide quick and accurate assessment of the incoming signal integrity.

The 7700DA-AES-RJ modules occupy 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 110Ω twisted pair cable
- Transformer coupled 110Ω balanced input (selectable Hi-Z)
- Data reclocking provides jitter reduction
- Automatic equalization

- Equalization and reclocking provides extended cable length compensation
- 8 - 110Ω balanced outputs
- Error LED indication for input PLL out of lock, parity error or biphas coding error



► Specifications

AES Input:

Standard: AES3-1992
 Number of Inputs: 1
 Connector: RJ-45
 Input Level: 2 to 7V p-p
 Coupling: Transformer
 Input Impedance: 110Ω
 Equalization: Automatic to 300m with CAT5 (or equivalent) @ 48kHz AES signal
 Sampling Frequency: 32kHz, 44.1kHz, 48kHz, and 96kHz

AES Outputs:

Number of Outputs: 8 reclocked
 Connector: RJ-45
 Output Level: 5V p-p
 Output Impedance: 110Ω

Electrical:

Voltage: +12V DC
 Safety: ETL Listed, complies with EU low voltage directive
 Power: < 1.8W
 EMI/RFI: Complies with FCC Part 15, Class A EU EMC Directive

Physical:

Number of Slots: 2

►►► Ordering Information

7700DA-AES-RJ 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 Multiframe
+1RU 1RU Rear Plate for use with 7701FR Multiframe
+SA Standalone Enclosure Rear Plate

Enclosures

350FR
7700FR-C
7701FR
S7701FR

3RU Portable Multiframe which holds up to 7 single slot modules
 3RU Multiframe which holds up to 15 single slot modules
 1RU Multiframe which holds up to 3 single or dual slot modules
 Standalone Enclosure