



Model 7700DA-AESB

Autoequalizing Balanced AES Distribution Amplifier

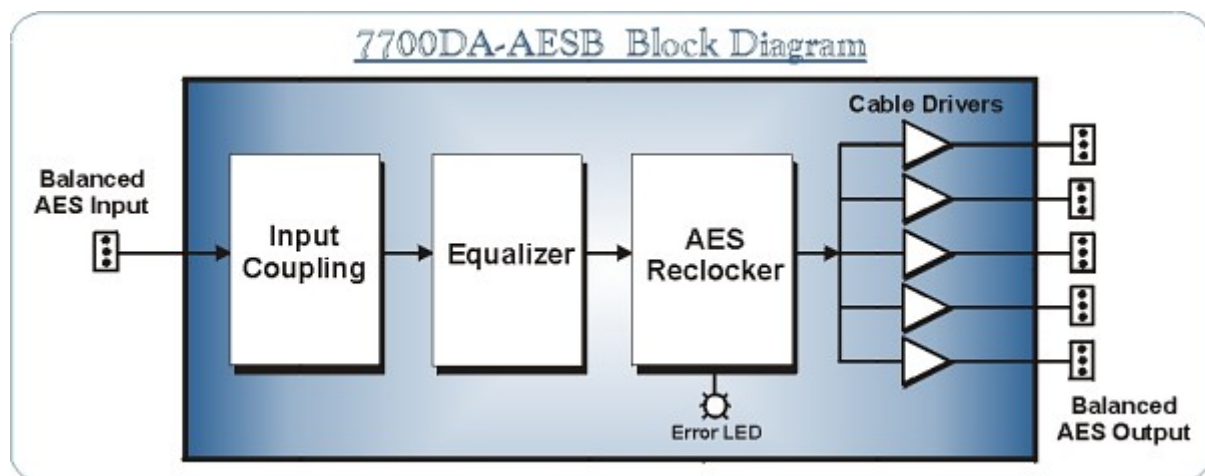
Product Description

The **7700DA-AESB** is a five output DA with auto equalizing input and reclocking for 110O AES signals. The DA will automatically equalize AES signals on Belden 1800B cable when the drive signal is 7V p-p. The DA will reclock data with sampling frequencies of 32KHz, 44.1KHz, 48KHz and 96KHz.

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

Features:

- AES3-1992 standard for AES audio on 110O twisted pair
- Transformer coupled 110O balanced input (selectable Hi-Z)
- Data reclocking provides jitter reduction
- Automatic equalization
- EQ and reclock provide extended cable length compensation (>1500)
- Five 110O balanced 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:

- **Standards:** AES3-1992
- **# of Inputs:** 1
- **Input Level:** 2 to 7V p-p

- **Coupling:** Transformer
- **Input Impedance:** 110Ω (Selectable Hi-Z)
- **Return Loss:** >30 dB
- **Equalization:** Automatic 300m @ 48KHz AES signal (Belden 1800B)
- **Sampling Freq.:** 32KHz, 44.1KHz, 48KHz, 96KHz

AES Output:

- **Number of Outputs:** 5 Per Card Reclocked.
- **Connector:** BNC input per IEC 169-8.
- **Output Level:** 5V p-p
- **Output Impedance:** 110Ω
- **Return Loss:** 30 dB

Electrical:

- **Voltage:** + 12VDC
- **Power:** 1.8 Watts
- **EMI/RFI:** Complies with FCC Part 15 Class A, EU EMC Directive

Ordering Information:

- **7700DA-AESB** Autoequalizing Balanced AES/EBU Distribution Amplifier
- **7700P** (3RU) rear connector plate) shipped standard

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