

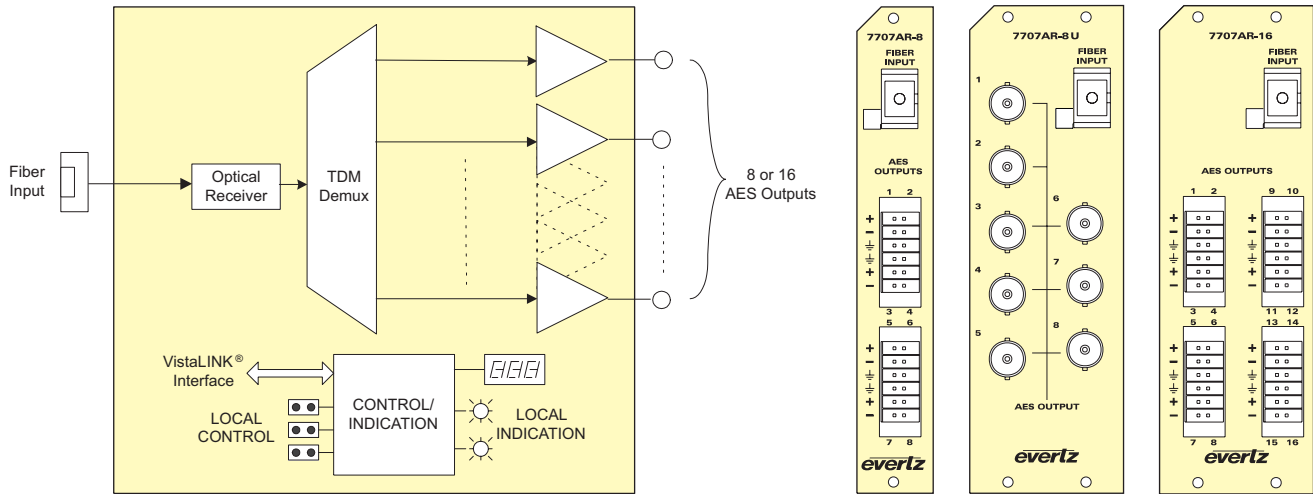
# 7707AR-8, 7707AR-8U, 7707AR-16

## 8/16 Channel AES Audio Fiber Receiver Demux



### ► Features & Benefits

- Eight or sixteen AES audio fiber optic receiver
- Dolby-E® compliant
- 7707AR-8 and 7707AR-16 versions provide interface to balanced or unbalanced signals
- 7707AR-8U version provides interface to unbalanced signals via BNC connections
- AES audio sample rate detection provided independently for each channel
- Audio monitoring via card-edge headphone jack with adjustable volume
- All configuration settings controllable through the card-edge user interface, or remotely through SNMP and VistaLINK®
- Wide-band optical input is compatible with 1310nm, 1550nm, CWDM, or DWDM wavelengths
- Supports single-mode and multi-mode fiber optic cable (contact factory for multi-mode applications)
- SC/PC, ST/PC, or FC/PC fiber connector options
- Fully hot-swappable from front of frame
- Comprehensive signal and card status monitoring via four digit card edge display or remotely through SNMP and VistaLINK®
- VistaLINK® capability is available when modules are used with the 3RU 7800FR or 350FR frame and a 7700FC VistaLINK® Frame Controller module in slot 1 of the frame



### ► Specifications

#### AES Audio Outputs:

Standard:	7707AR-8U: SMPTE 276M - Unbalanced AES, Dolby-E® compliant
	7707AR-8/16: AES3-1992, Balanced or Unbalanced (selectable), Dolby-E® compliant
Number of Outputs:	7707AR-8/8U: 8
	7707AR-16: 16
Connectors:	7707AR-8U: 1 BNC per IEC 61169-8 Annex A
	7707AR-8/16: Multi-pin Removable Terminal Blocks
Output Sample Rate:	32kHz to 48kHz (same as input signal at 7707AT)
Output Impedance:	Unbalanced: 75Ω
	Balanced: 110Ω

Output Return loss:	> 15dB
Output Amplitude:	Unbalanced: 1V p-p to ±0.1V p-p
	Balanced: 2V p-p to ±0.1V p-p
Output Rise/Fall Times:	Unbalanced: 35ns ±5ns
	Balanced: 20ns ±5ns
Output Jitter:	< 0.1 UI

#### Optical Input:

Connector:	SC/PC, ST/PC, FC/PC female housing
Input Wavelength:	1270 to 1610nm
Input Power (max):	0dBm
Input Optical Sensitivity:	-28dBm

#### Electrical:

Voltage:	12V DC
Power (max):	6W
EMI/RFI:	Complies with FCC Part 15, Class A EU EMC Directive

#### Physical (number of slots):

350FR, 7700FR-C, 7800FR:	
7707AR-8U:	2 slots
7707AR-8:	1 slot
7707AR-16:	2 slots
7701FR:	1 slot all versions

### ► Ordering Information

<b>7707AR-8</b>	Eight Channel AES Audio Fiber Receiver Demux, VistaLINK® Monitoring
<b>7707AR-8U</b>	Eight Channel Unbalanced AES Audio Fiber Receiver Demux, VistaLINK® Monitoring
<b>7707AR-16</b>	Sixteen Channel AES Audio Fiber Receiver Demux, VistaLINK® Monitoring

#### Connector Suffix

<b>+SC</b>	SC/PC
<b>+ST</b>	ST/PC
<b>+FC</b>	FC/PC

#### Accessories

**Fiber Optic Patch Cable**  
See CWDM & DWDM Ordering Information Page

**Ordering Options** Rear Plate and Fiber Connector must be specified at time of order  
Eg: Model +SC +3RU

#### Rear Plate Suffix

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

#### Enclosures

<b>350FR</b>	3RU Portable Multiframe which holds up to 7 single slot modules
<b>7700FR-C</b>	3RU Multiframe which holds up to 15 single slot modules
<b>7800FR</b>	3RU Multiframe which holds up to 15 single slot modules
<b>7801FR</b>	1RU Multiframe which holds up to 4 single or 2 dual slot modules
<b>7701FR</b>	1RU Multiframe which holds up to 3 single or dual slot modules
<b>S7701FR</b>	Standalone Enclosure