

# 7800DA7-MADI

## MADI 1x7 Reclocking Distribution Amplifier



The 7800DA7-MADI distribution amplifiers provide reliable distribution of your MADI signals. The 7800DA7-MADI features one auto-equalized input with seven reclocked outputs. The 7800DA7-MADI is housed in the Evertz 7800FR Multiframe, which is available in either a 3RU or 1RU version. The 7800DA7-

MADI supports all sampling rates and payloads as specified by AES10-2003. This includes industry standard 56 and 64 channel payloads at a 48 kHz sampling rate.

### Features & Benefits

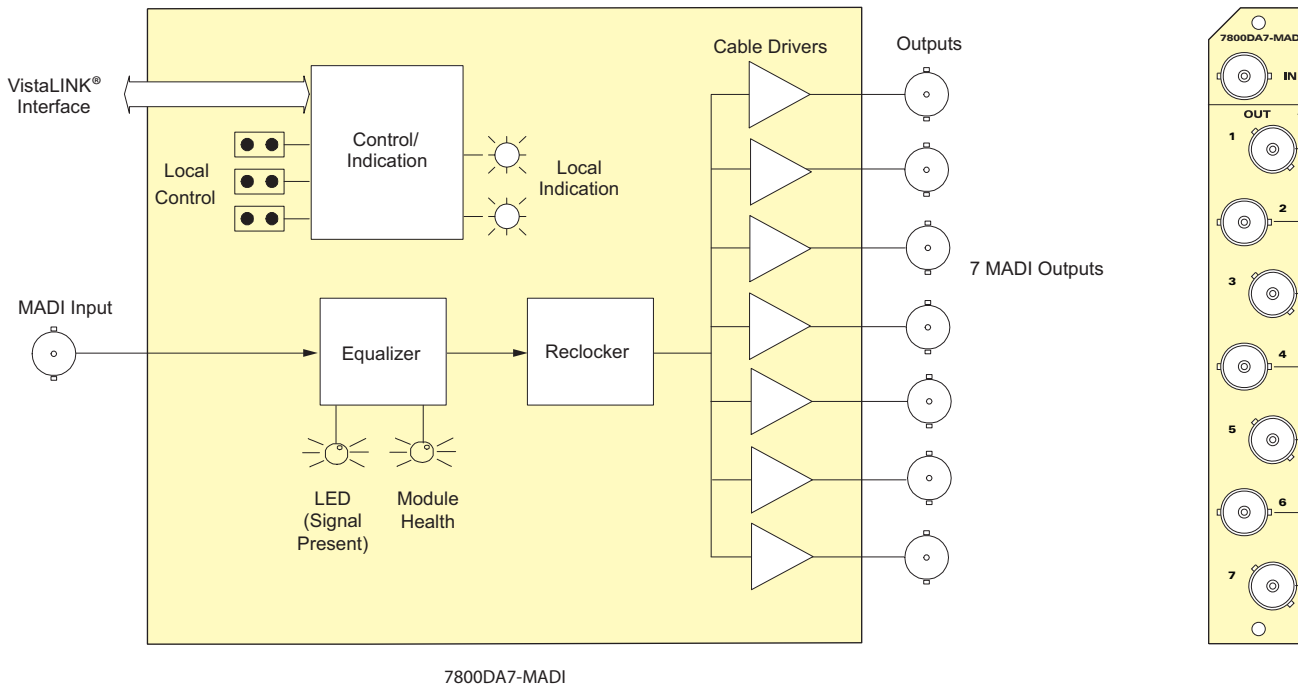
- Normal reclocked mode for AES10-2003 MADI signals
- Fully hot-swappable from front of frame with no BNC disconnect required
- Independent isolated output drivers to ensure no cross channel loading effects (ie. no need to terminate unused outputs)
- Tally output on Frame Status bus upon loss of input signal for quality monitoring
- VistaLINK® capable for remote monitoring via SNMP (using VistaLINK® PRO) when installed in 7800FR frame with a 7700FC VistaLINK® Frame Controller

#### Input

- AES10-2003 (125Mbs)
- Auto equalization to 225m

#### Outputs

- 7 reclocked outputs
- Jitter < 0.2 UI



### Specifications

<b>MADI Input</b>		<b>MADI Output</b>		<b>Electrical</b>	
Standard	AES10-2003 (125 Mb/s)	Number of Outputs	7 Reclocked	Voltage	+12V DC
Connector	BNC per IEC 61169-8 Annex A	Connector	BNC per IEC 61169-8 Annex A	Power	5 Watts
Impedance	75 Ω	Impedance	75 Ω	EMI/RFI	Complies with FCC Part 15 Class A, EU EMC Directive
Equalization	Automatic to 225m with Belden 1694A or equivalent cable	Rise and Fall Time	1-3 ns		
Signal Level	800 mV nominal	Signal Level	800 mV nominal	<b>Physical</b>	
		Jitter	< 0.2 UI	Number of Slots	1

### Ordering Information

<b>7800DA7-MADI</b>	MADI 1x7 Reclocking Distribution Amplifier	<b>Enclosures</b>	
<b>Ordering Options</b>	Rear Plate must be specified at time of order (Eg. Model +3RU)	<b>350FR</b>	Portable Multiframe which holds 7 single slot modules
<b>Rear Plate Suffix</b>		<b>7700FR-C</b>	3RU Multiframe which holds 15 single slot modules
<b>+3RU</b>	3RU rear plate for use with 7800FR, 7801FR, 7700FR-C or 350FR Multiframes	<b>7800FR</b>	3RU Multiframe which holds 15 single slot modules
<b>+SA</b>	Standalone Enclosure rear plate	<b>7801FR</b>	1RU Multiframe which holds 4 single slot modules
		<b>S7701FR</b>	7700 Series Standalone Enclosure

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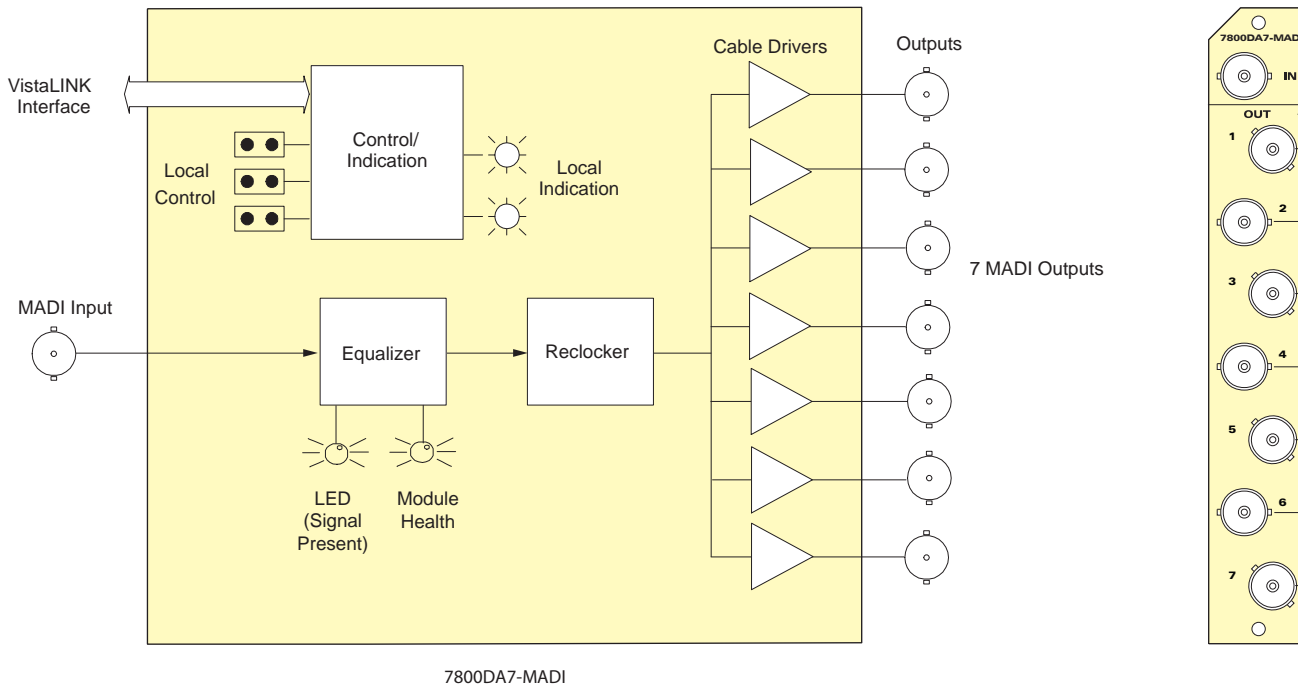
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#### 7800DA7-MADI MADI 1x7 Reclocking Distribution Amplifier

#### Ordering Options

Notes: Rear plate must be specified at time of order.

#### Rear Plate Suffix

- +3RU 3RU rear plate for use with 7800FR, 7801FR, 7700FR-C or 350FR Multiframes
- +SA Standalone Enclosure rear plate

#### Enclosures

- 350FR Portable Multiframe which holds 7 modules
- 7700FR-C 3RU Multiframe which holds 15 modules
- 7800FR 3RU Multiframe which holds 15 modules
- 7801FR 1RU Multiframe which holds 4 modules
- S7701FR 7700 Series Standalone Enclosure