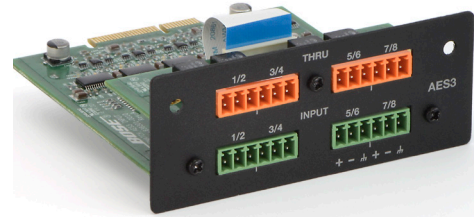


# PowerMatch® AES3 8-channel input card



## Product Overview

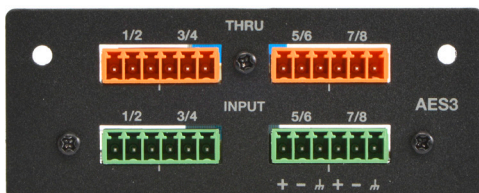
The Bose® AES3 8-channel input card allows PowerMatch® configurable professional power amplifiers to receive up to 8 channels from AES3 sources such as mixing consoles and DSPs. The AES3 input card inserts into the digital expansion slot on a PowerMatch amplifier. A buffered passthrough connection on card allows digital audio to be daisy-chained to multiple PowerMatch amplifiers or other AES3 devices.



## Technical Specifications

Digital Audio	
Channels	Eight (8) input channels, PM4500/N and PM4250/N models must select from upper or lower 4-channel groups
	Eight (8) output channels (buffered AES3 input signals)
Format	AES3, balanced, 2 channel
Sample Rate / Bit Depth	48 kHz / 24 bit
Sample Rate Input Range	44.1 kHz – 192 kHz
Clock Sync	Internal master / SRC
Sample Rate Conversion Time	1.33 ms (at all sample rates)
Thru Audio Latency	35 ns (buffered only)
Maximum Linked Amplifiers	16
Connectors	Two (2) input pairs: 3.81 mm Euroblock, 6-pin, green Two (2) thru pairs: 3.81 mm Euroblock, 6-pin, orange
Audio Performance	
Frequency Response	20 Hz – 20 kHz ( $\pm 0.1$ dB)
Input Impedance	110 $\Omega$
Maximum Input Level	0 dBFS
Sensitivity Settings	0 dBFS (default) / -12 dBFS / -20 dBFS / -24 dBFS
Software Application	
ControlSpace® Designer™ software v4.1 or later	
General	
Product Code	638301-0010
Compatible With	PowerMatch PM8500 / PM8500N configurable professional power amplifier PowerMatch PM8250 / PM8250N configurable professional power amplifier PowerMatch PM4500 / PM4500N configurable professional power amplifier PowerMatch PM4250 / PM4250N configurable professional power amplifier
Box Contents	(1) expansion card, (1) installation guide, (2) green Euroblock connectors, (2) orange Euroblock connectors, (4) cable ties

## Connector Panel



## Key Features

- Enables PowerMatch amplifiers to receive digital audio via the AES3 standard from supported mixers and processors
- In-rack linking of multiple amplifiers using THRU connection

## Applications

The PowerMatch AES3 card brings 8 channels of digital audio signals to PowerMatch configurable professional amplifiers from AES3 sources such as mixers and signal processors. Each channel pair is independently clockable to allow for multiple AES sources.

Designed for a wide range of applications, including:

- Performing arts venues
- Hotels and conferencing facilities
- Religious and worship facilities
- Health clubs
- Retail and shopping centers
- Sports venues
- Schools and universities

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