

### Dual Analog Audio Distribution Amplifier

#### Description

Featuring dual mode operation the D AA 5320 is a flexible and cost effective solution for high quality analog audio distribution. The D AA 5320 can be used as a single 1>8 or a dual channel 1 > 4 device. Balanced audio inputs and outputs ensure high quality low noise performance ideal for demanding broadcast and professional audio applications.

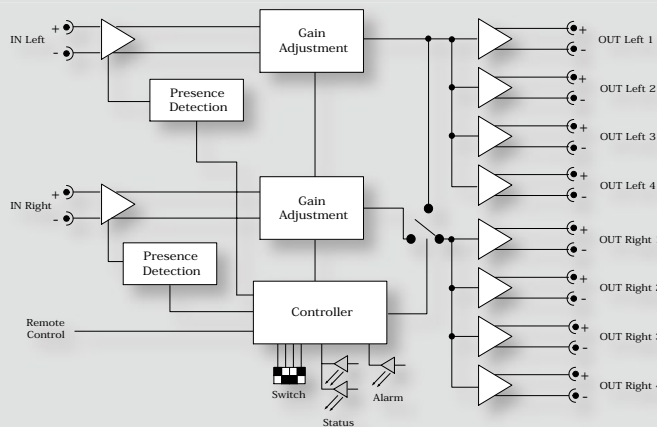
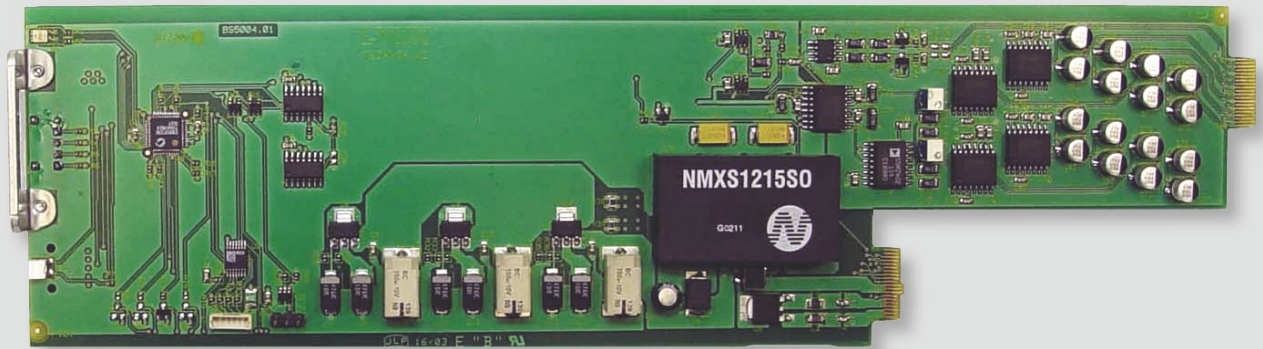
(through power cycles and module removal). Local control capability is provided via the integrated dip switch and multifunction switch. Remote control, status monitoring and error reporting is possible when using the LYNX control system.

Digitally adjustable analog gain adjustments are provided for system calibration with input presence detection provided for each channel. Two backplane configurations provide convenient choices for system connectivity.

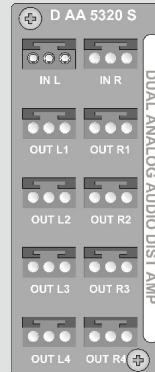
Microprocessor control and on board flash ram enable configurations and settings to be stored within the module

#### Features

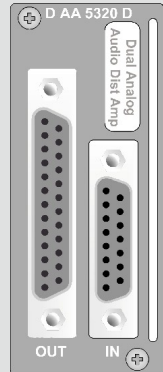
- Dual mode operation 1>8 mono or dual 1>4 stereo
- Balanced analog audio inputs and outputs
- Input presence detection
- Independently adjustable gain for each input channel
- Two backplane options - Screw terminal (Weco) or Sub D
- Microprocessor controlled with internal flash ram for storing configuration
- Remote control, status monitoring and error reporting possible when used with LYNX control system
- Full SNMP support when used with master controller option
- Hot Swappable



D AA 5320 S



D AA 5320 D



Backplane Options

### Dual Analog Audio Distribution Amplifier

#### Specifications

Audio Inputs	
Signal Type	Balanced analog audio
Input coupling	AC
Input Impedance	20K Ohms
No. Of inputs	2
Connector	D version - Female 15 pin Sub D connector S version - Individual screw terminal type connections (Weco)
Max input Level	+ 28 dBu
Audio Outputs	
No. Of Outputs	8
Signal Type	Balanced analog audio
Connector	D version - Female 25 pin Sub D connector (Tascam pinout) S version - Individual screw terminal type connections (Weco)
Output Impedance	50 Ohms
Max output level	+ 28 dBu (into 10K Ohms)
Operation Modes	
Single (Mono)	Single 1>8 distribution amplifier
Dual (Stereo)	Dual 1>4 distribution amplifier
Performance	
Gain adjustment range	- 80dBu to + 30dBu (in steps of 0.5dB)
Noise floor	< -90dBu (20Hz to 20KHz "A" weighted)
Distortion	< 0.002% (20Hz to 20KHz @ 24 dBu)
Frequency Response	+/- 0.1dB (20Hz to 20KHz @ 24 dBu)
Crosstalk	< -90dBu (20Hz to 20KHz)
Common mode rejection	> - 75dB (20Hz to 20 KHz)
Control	Local settings via dip switch and push buttons. Remote control possible when using a LYNX controller option.
Status Monitoring	Signal presence detection (signal indicated absent if < -30dBu for 5 s)
Electrical Specifications	
Operating Voltage	12 VDC
Power Consumption	< 3W
Safety	IEC 60950/ EN 60950/ VDE 0805
Mechanical	
Size	283mm x 78mm
Weight	CardModule 120g, connector plate 50g
Ambient	
Temperature	5°C to 40°C Maintaining specifications
Humidity	90% Max non condensing

Specifications subject to change

#### Settings and Control

Local Settings	
Mono / Stereo	Select between single 1>8 mode or dual 2>4 mode
Unity Gain Select	Set unity gain
Output Gain Adjustment	Adjust gain UP/DOWN
Channel Select	Select channel 1 or channel 2 for adjustment
Settings Available from Control System	
Mute	Mute all audio
Zero crossing	Select on / off

On Board Indicators / LEDs	
Channel 1.	Signal Present / No input
Channel 2.	Signal Present / No Input
General Alarm Indicator – 3 Color	

#### Ordering Information

Model #	Part Number	Description	Includes
D AA 5320 D	6155008243	Dual Analog Audio Distribution Amp (Sub D)	CardModule, Rear termination Panel, + Mounting Screws, and Reference Manual
D AA 5320 S	6155008244	Dual Analog Audio Distribution Amp (Weco )	CardModule, Rear termination Panel, + Mounting Screws, 8 x female Weco connectors and Reference Manual