

# D AA 5321 S / D

SERIES 5000

CardModules

## Dual Analog Audio Distribution Amplifier

### Description

Featuring dual mode operation the D AA 5321 is a flexible and cost effective solution for high quality analog audio distribution. The D AA 5321 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.

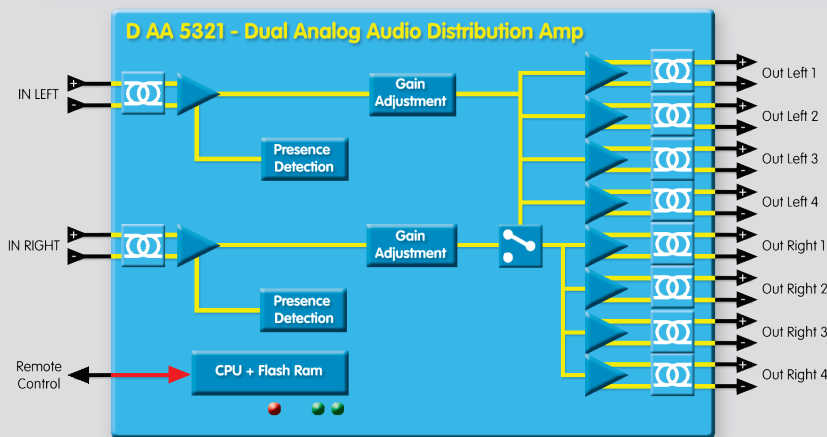
Microprocessor control and on board flash ram enable configurations and settings to be stored within the module (through power cycles and module removal). Local control capability is provided via the integrated dip switch and multifunction switch. Remote control, status monitoring and error reporting 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.

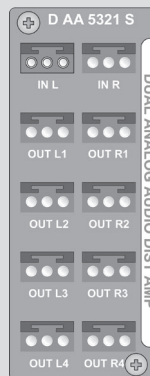
All audio inputs and outputs are fully isolated using transformer coupling.

### Features

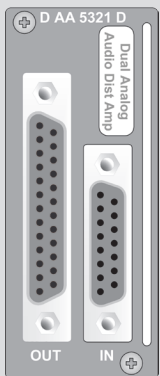
- Dual mode operation 1>8 mono or dual 1>4 stereo
- Balanced analog audio inputs and outputs
- All audio inputs and outputs isolated using high quality audio transformers.
- Input presence detection
- Independently adjustable gain for each input channel
- Two backplane options - Screw terminal (Weco) 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 5321 S



D AA 5321 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
Input coupling	Transformer (isolated)

##### 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	75 Ohms
Output coupling	Transformer (isolated)

##### 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 5s)

##### Electrical Specifications

Operating Voltage	12 VDC
Power Consumption	< 3W
Safety	IEC 60950/ EN 60950/ VDE 0805

##### Mechanical

Size	283mm x 78mm
Weight	CardModule 350g, 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 5321 D	415500532	Dual Analog Audio Distribution Amp (Sub D)	CardModule, Rear termination Panel, + Mounting Screws, and Reference Manual
D AA 5321 S	415500532	Dual Analog Audio Distribution Amp (Weco )	CardModule, Rear termination Panel, + Mounting Screws, 8 x female Weco connectors and Reference Manual