

# D AD 5220 WCB

SERIES 5000

CardModules

## Dual Word Clock Distribution Amplifier

### Description

Featuring dual mode operation the D AD 5220 WCB is a flexible and cost effective solution for word clock reference distribution. The DAD 5220 WCB can be used as a single 1>8 amplifier or a dual channel 1>4 device. This module is ideally suited for the demanding requirements of broadcast and professional audio applications.

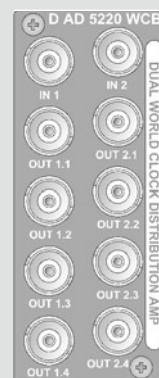
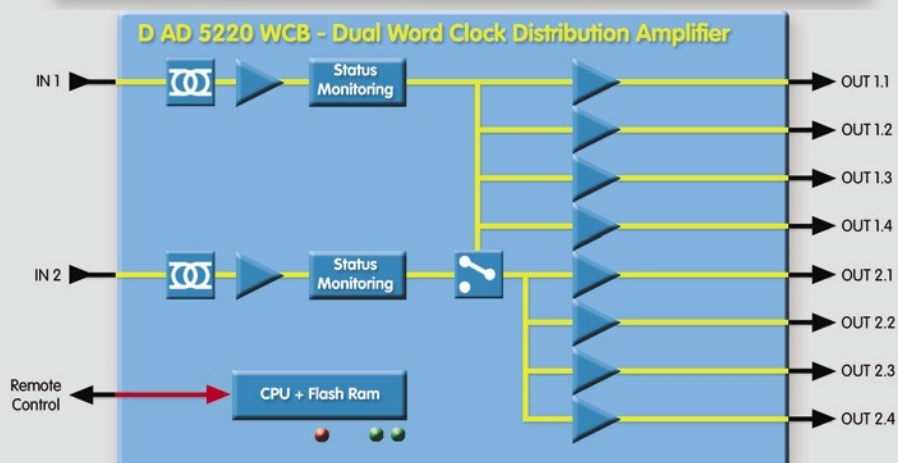
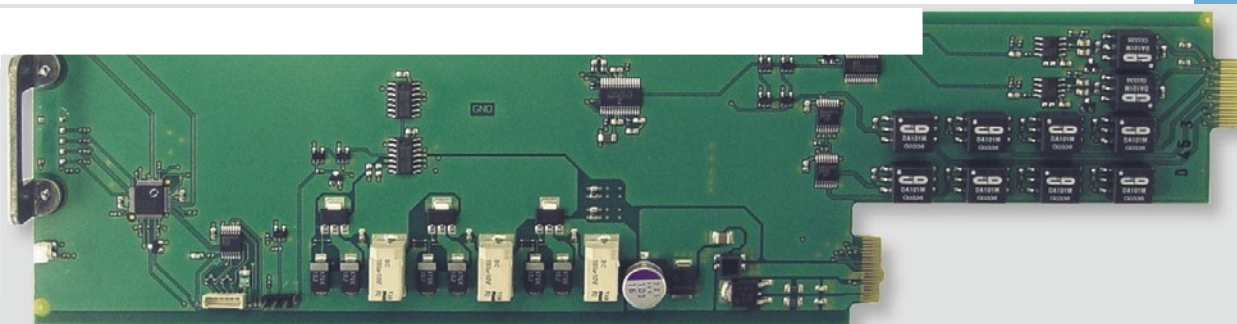
Each input can have independent sample rates ranging between 32KHz to 108KHz. outputs are 5 v TTL level provided on 75 Ohm BNC connectors. Inputs are isolated using transformers.

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. Remote control, status monitoring and error reporting is possible when using the LYNX control system.

### Features

- Dual mode: 1>8 or dual 1>4.
- Signal presence detection.
- Supports clock signals between 32KHz and 108KHz (independent for each input channel).
- 5v TTL outputs.
- Fully isolated transformer coupled inputs.
- 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.



Backplane

## Dual Word Clock Distribution Amplifier

### Specifications

Audio Inputs	
Signal Type	unbalanced TTL (5v) input
No. of inputs	2
Input coupling	Isolated with Transformers
Input Impedance	75 Ohms
Connector	BNC
Return loss	< 25dB (32KHz to 100KHz)
Outputs	
Signal Type	unbalanced TTL (5v) output
No. of outputs	8
Output Impedance	75 Ohms
Connector	BNC
Performance	
Word clock rates	32KHz to 108KHz independent for each channel
Jitter	< 0.025%
Status monitoring (LED)	Signal presence (each channel)
Operating Modes	
Dual	2 independent audio input channels with 4 outputs each
Single	1 audio input channel with 8 outputs
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	
Mode selection	Select between single 1>8 mode or dual 2>4 mode
Settings Available from Control System	
Local controls duplicated. No additional parameters provided via the control system	
On Board Indicators / LEDs	
Channel 1. Signal present / signal missing	
Channel 2. Signal present / signal missing	
General Alarm Indicator – 3 Color	

### Ordering Information

Model #	Part Number	Description	Includes
D AD 5220 WCB	6155008245	Dual Word Clock Distribution Amplifier	CardModule, Rear termination Panel, Mounting Screws, + Weco connectors and Reference Manual