

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.

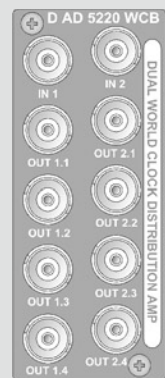
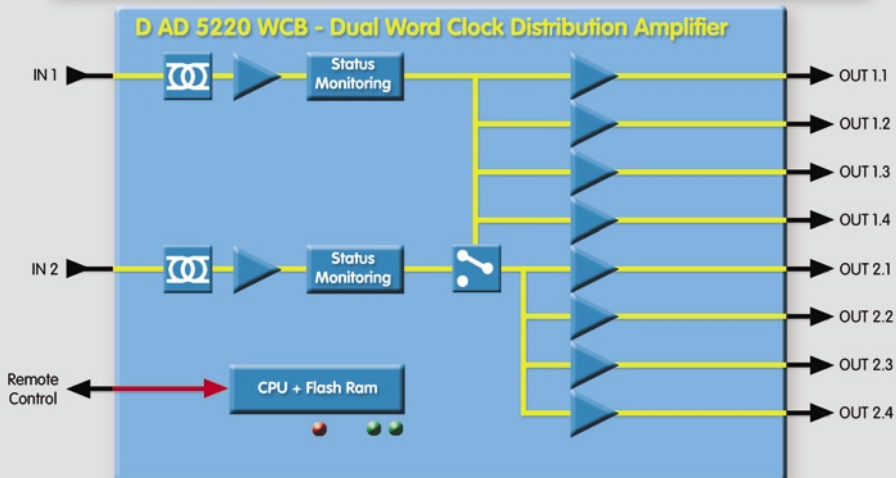
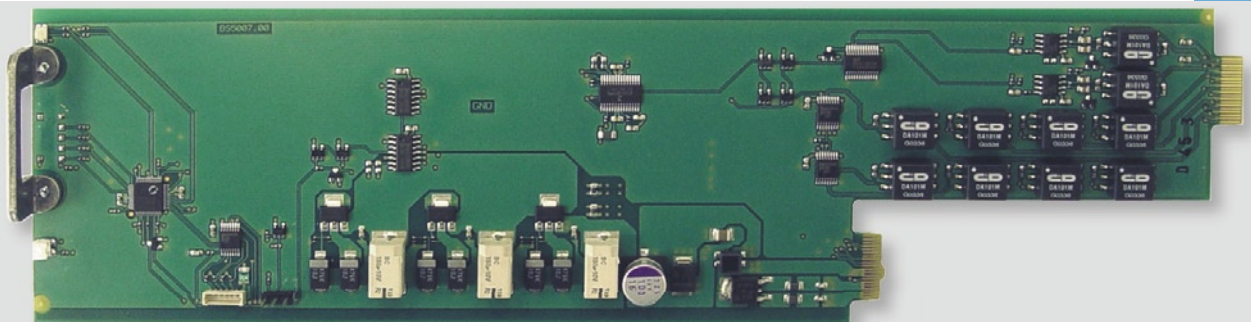
capability is provided via the integrated dip switch. Remote control, status monitoring and error reporting is possible when using the LYNX control system.

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

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
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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