CDA-4D
DSP Amplifier

The CDA-4D is a compact distribution amplifier, designed to power current and future Bowers & Wilkins Custom Installation loudspeakers. Embedded DSP allows optimisation of a wide range of products and dynamic EQ for Bowers & Wilkins subwoofers. It boasts four powerful channels, and its full-rack-width 1U design delivers high-performance from minimum rack space.

Impressively smart

To ensure the CDA-4D delivers in the modern custom installation system, it is equipped with Digital Signal Processing (DSP). This allows it to be used in wide variety of situations, provides control over IP and configuration, and for providing dynamic EQ for Bowers & Wilkins subwoofers.

Compact powerhouse

CDA-4D's 1U size means that it takes up the minimum of rack real estate. But with four channels of Class D amplification on hand it can deliver power when required. Plus, as it's bridgeable, this can be configured to deliver a powerful 2 channel or 2.1 setup.

Flexible

Whether you are looking to upgrade an in-situ installation or planning a new one, the CDA-4D DSP amplifier is ideal. It can drive two zones, and works with a wide variety of Bowers & Wilkins products, both current and future.

CDA-4D

Audio Specifications

Load impedance range:	>3Ω per channel (>6Ω in bridge mode)
DC offset voltage:	<50mV
Frequency Response (-3dB):	<10Hz to >30kHz, any load impedance
Frequency response accuracy	
20Hz-20kHz:	+/-1dB
Dynamic range:	>85dB A-Weighted
THD+N (1kHz, 500W, 4Ω):	less than 1%
Voltage Gain:	15dB to 39dB, adjustable
Input impedance:	10kΩ
Maximum input voltage:	4 Vrms
Signal sense threshold:	2.5mV (independent of Gain setting)
Wake-up time:	<0.2s (If other zones active)
	<2s (From all zones inactive)
Turn-off time:	15 minutes from last signal detected
12V trigger input threshold:	Typically 3V (recommended input is 5-15V)

Controls & Indicators

Front panel:	1 x Power LED (unit active – White, Fault – Red)
	1 x Network status LEDs (Network present – White, Fault – Red)
	2 x Zone status LEDs (Signal present – White, Fault – Red)
Rear panel:	1 x Reset button

Connectors

Input:	2 x RCA (pair) Phono socket, Analogue line in
	2 x RCA Phono socket, Digital line in
	1 x Ethernet
Output:	2 x 5.08mm Pitch 4-way Phoenix Combicon style
12V trigger control:	1 x 3.5mm jack - 12V trigger IN
	1 x 3.5mm jack - 12V trigger OUT (Maximum 100mA pass-through)

Power

Power consumption:	<0.5W Standby, WoL disabled
	<0.5W Standby, WoL enabled
AC supply:	100-240V 50/60Hz
AC inlet:	IEC C14, switched

Thermal

Thermal dissipation:	1.7 BTU/hr (standby)
	130 BTU/hr (Idle)
	500 BTU/hr (max)

Dimensions

Height:	42.5mm (1.7in) 1U (55.5mm (2.2in) plus feet)
Width:	437mm (17.2in)
Depth:	310mm (12.2in)
Net weight:	4.1kg (9.0lb)
Finish:	Black