

AUDIO

VX-2086 CONFIGURABLE DUAL-CHANNEL 24-OUTPUT AUDIO DA

VX-2086



▼ VX-2086 fitted with input transformers

DESCRIPTION

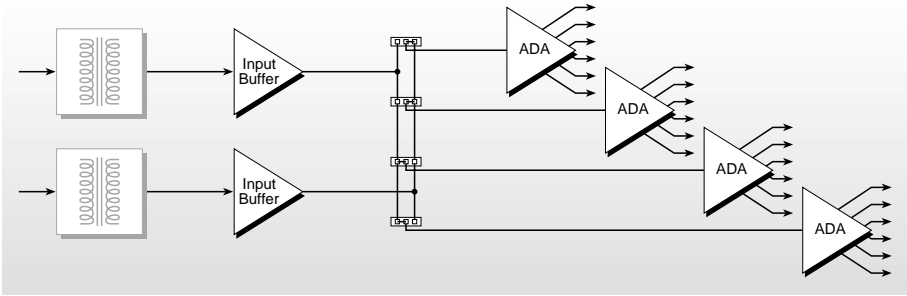
The VX-2086 is a dual channel balanced analogue Audio Distribution Amplifier offering excellent performance exceeding current broadcast specifications. It is a standard 220x100mm Eurocard with an on-board regulated and rectified power supply operating from low voltage AC / DC.

There are two input buffers per card, and four output drivers each with 6 resistively distributed output paths. Any output driver may be linked to either input, which means that the VX-2086 can be used as a 12 output dual channel (stereo) DA, a 24 output single channel DA, or as a dual channel DA with 18 outputs on one channel and 6 outputs on the second.

Model VX-2086X has screened transformer-balanced inputs, whilst the standard VX-2086 input buffers are electronically-balanced with auto-sensing for unbalanced audio. Fifteen VX-2086 Eurocards or twelve VX-2086X transformer-balanced DAs plus mains module can be housed in a 3U rackframe with individual rear connector panels per board. Alternatively, 1U or 3U racks can be custom cabled in almost any configuration using the customer's own choice of connectors, allowing integration with other video and audio products from the Cookbook.

The signal path is balanced throughout, with inputs and outputs properly filtered. Jumpers on the board provide phase reversal and a choice of earthing options. Gain is independently adjustable for each channel.

VX-2086 CONFIGURABLE 24-OUTPUT DA



SPECIFICATIONS



INPUTS

Input impedance	>10k Ω 20Hz to 22kHz (electronic balance)
VX-2086X transformer impedance	>10k Ω 20Hz to 20kHz (transformer balance)
Input balance	>80dB (electronic balance) @ 14kHz
Line input level	0dBu
Maximum line input level	+20dBu @ 0dBu gain



OUTPUTS

DA output impedance	50 Ω
Nominal output level	0dBu into 6k Ω , all outputs loaded
Maximum output level	+21dBu into 6k Ω , all outputs loaded
Output isolation	>60dB to 15kHz
Output balance	>50dB to 15kHz



PERFORMANCE

Gain adjustment	+2 to -30dBu
Frequency response	20Hz to 22kHz \pm 0.1dBu
Roll-off	Smooth roll-off above 22kHz
THD + noise	<0.01% 20Hz to 20kHz @ 0dB gain, +20dBu out
Noise	< -80dBq @ 0dB gain
Transient response	<50mV ripple on 1V pk-pk 3kHz square wave



PHYSICAL

Power	\pm 12 to \pm 18V AC or DC, 100mA approx
Format	Eurocard, 220x100mm
Width	5HP (VX-2086) or 6HP (VX-2086X)
Rear connector	DIN 41612 (AB or AC)

Vortex Communications Ltd
75 The Grove, Ealing, London W5 5L, UK
Tel: (+44) 020 - 8579 2743 ▼ Fax: (+44) 020 - 8840 0018
E-mail: info@vx.co.uk ▼ Web: www.vx.co.uk

IN THE INTEREST OF PRODUCT IMPROVEMENT
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE
ALL TRADEMARKS ARE RECOGNISED

