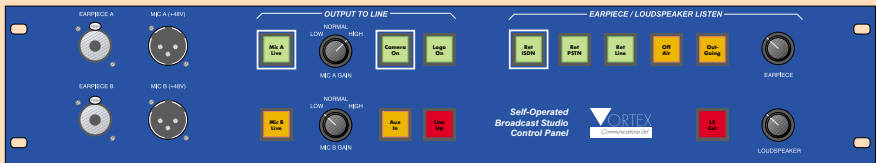


AUDIO

VX-1100 SERIES EUROCARD AUDIO MODULES

VX-1100 Series



- ▼ A self-operated broadcast studio control panel built from Vortex Eurocard audio, video, relay switching and signal level detection modules, offering video and audio switching and monitoring, talkback, lineup tone and bars, mic, loudspeaker and headphone amplification, all built into a custom rackframe.

DESCRIPTION

VX-1100 is part of a family of low-cost video and audio signal processors sharing common rack housings and power supplies. Systems can be constructed from a selection of modules to provide specific functionality, tailored to each customer's requirements.

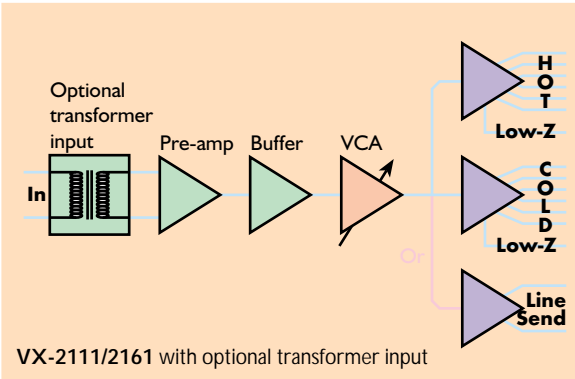
Examples range from a simple line amplifier to a comprehensive broadcast studio-in-a-rack.

Cards are available individually for incorporation in existing systems as well as pre-built into modular or custom-designed racks. Up to 16 cards can be installed in a modular 3U rackframe, with most audio cards capable of mono or stereo processing of both balanced and unbalanced signals, and optionally providing transformer balanced inputs and/or outputs in place of electronic balancing.

The range includes video and audio DAs, video and audio signal fail detectors, logic-controlled relay switching, and video processors to convert from almost any video signal format into any other. Some examples from the audio range are shown overleaf, and many further configurations can be built from the flexible input, process and output stages available.

Rack systems can be built to accommodate a range of operating requirements, including redundant power supply systems and a choice of earthing arrangements. Contact us with your requirements and we will be happy to provide you with a specification.

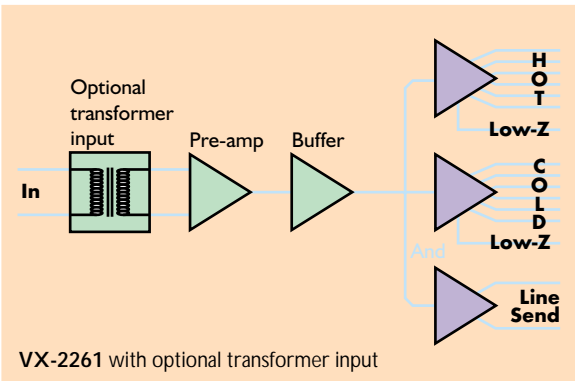
VX-2100 Line Receive Amplifiers



▼ VX-2100 line receive amplifiers provide VCA remote level control for balanced and unbalanced line inputs, with DA or line outputs.

VX-2111 is a mono amplifier with balanced line send output; VX-2112 is a stereo line receive amplifier; VX-2161 is a mono amplifier with 6 DA outputs and a low-impedance balanced output for external distribution; VX-2162 is a stereo amplifier with 6 DA outputs plus low-impedance output.

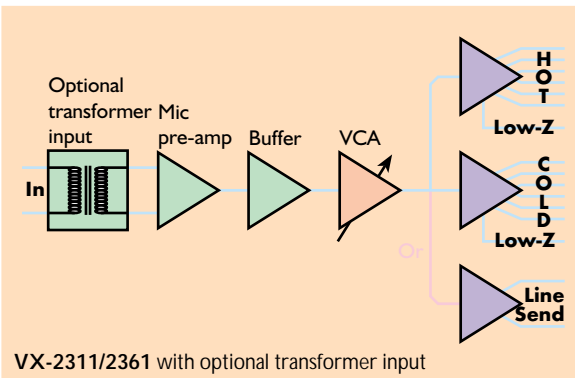
VX-2200 Line Send Amplifiers



▼ VX-2200 line send amplifiers accept balanced and unbalanced signals and provide DA, low-impedance and line outputs, the latter with optional transformer output stage.

VX-2261 is the mono version; VX-2262 is the stereo version.

VX-2300 Microphone Amplifiers



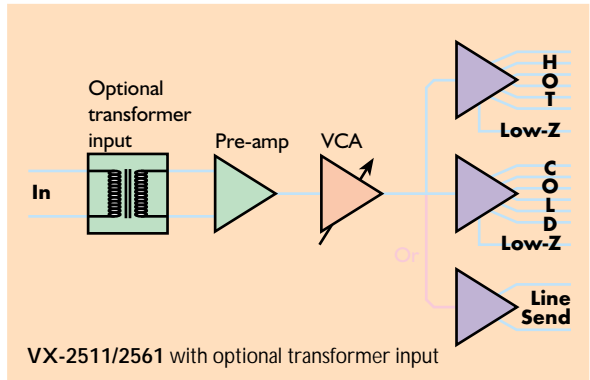
▼ VX-2300 mic amplifiers provide VCA remote level control for balanced and unbalanced mic inputs, with DA or line outputs.

VX-2311 is a mono amplifier with balanced line send output; VX-2312 is a stereo line send amplifier; VX-2361 is a mono amplifier with 6 DA outputs and a low-impedance balanced output for external distribution; VX-2362 is a stereo amplifier with 6 DA outputs plus low-impedance output.

VX-2500 Voltage Controlled Amplifiers

▼ VX-2500 voltage-controlled amplifiers (VCAs) offer accurate level control of DA and line outputs for balanced and unbalanced signals into balanced loads.

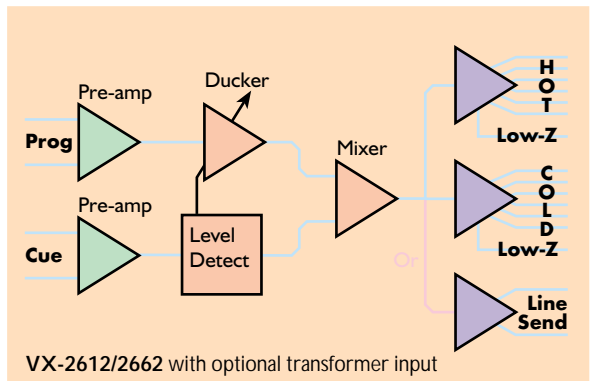
VX-2511 accepts a mono signal and provides a line output; VX-2512 accepts stereo signals and provides a balanced stereo output; VX-2561 is mono with 6 DA outputs and a low-impedance output for external distribution; VX-2562 is a stereo VCA with 6 stereo DA outputs.



VX-2600 Ducking Amplifiers

▼ VX-2600 ducking amplifiers automatically reduce the audio level of one input channel when a signal is present on the second channel, with both channels combined for output.

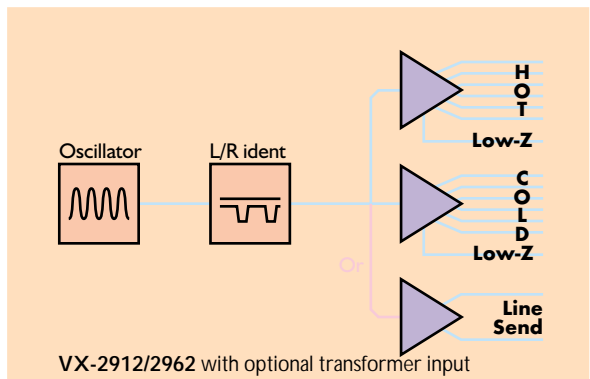
VX-2612 provides a line output for balanced and unbalanced loads; VX-2662 provides 6 balanced outputs plus a low-impedance balanced output for external distribution.



VX-2900 Tone Generators

▼ VX-2900 tone generators provide stable, low-distortion tone for stereo applications, and can be configured with a variety of channel ident signals.

VX-2912 with left & right channel idents and line drive output into balanced and unbalanced loads; VX-2962 provides left & right channel idents with 6 DA outputs and a low-impedance balanced output for external distribution.



VX-1100 SERIES EUROCARD AUDIO MODULES

SPECIFICATIONS

▼ INPUTS	
Impedance - electronic balance	> 20K Ω 20-22KHz
Impedance (optional transformer)	> 10K Ω 20-22KHz
Impedance (optional transformer)	600 Ω 20-20KHz
Input balance	> 80dB (electronic balance) at 14KHz
Line input level	0dBu
Maximum line input level	+ 20dBu at 0dB gain
Microphone input level	-50dBu (nominal)
Line receive input level	-40dBu (nominal)
Gain adjustment	+ 20 to -100dB
▼ DISTRIBUTION OUTPUTS	
Impedance - distributed outputs	50 Ω (on rear panel)
Low Z output	5 Ω (on board)
Nominal output level	0dBu into 600R
Maximum output level	+ 21dBu into 600R
Output isolation (distributed outputs)	> 60dB to 15KHz
Output balance	> 60dB to 10KHz
▼ LINE SEND OUTPUTS	
Output impedance	50 Ω balanced (into 1000pF cable)
Output balance	-45dB (OCMR); -40dB (SBR) at 1KHz
▼ PERFORMANCE	
Frequency response	20Hz to 22KHz \pm 0.1dBu
Out of band frequency response	Smooth roll off above 22KHz (flat to 100KHz to order)
THD plus noise	< 0.01% 20-20KHz at 0dB gain, + 20dBu Out
Noise	< -80dBu at 0dB gain
▼ VCA	
Maximum Attenuation	100dB
Applied VCA Voltage	+ 15 to -12V for full range (from rack)
▼ DUCKING AMPLIFIER	
Main Input Level	0dBu Nominal
Cue Input Level	> -20dBu
Ducking	-10dB adjustable

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

