specifications

frequency response

THD

crosstal

phase shift

nominal output leve

input channel eq

output features

channel metering

master metering

signal generator

constructio

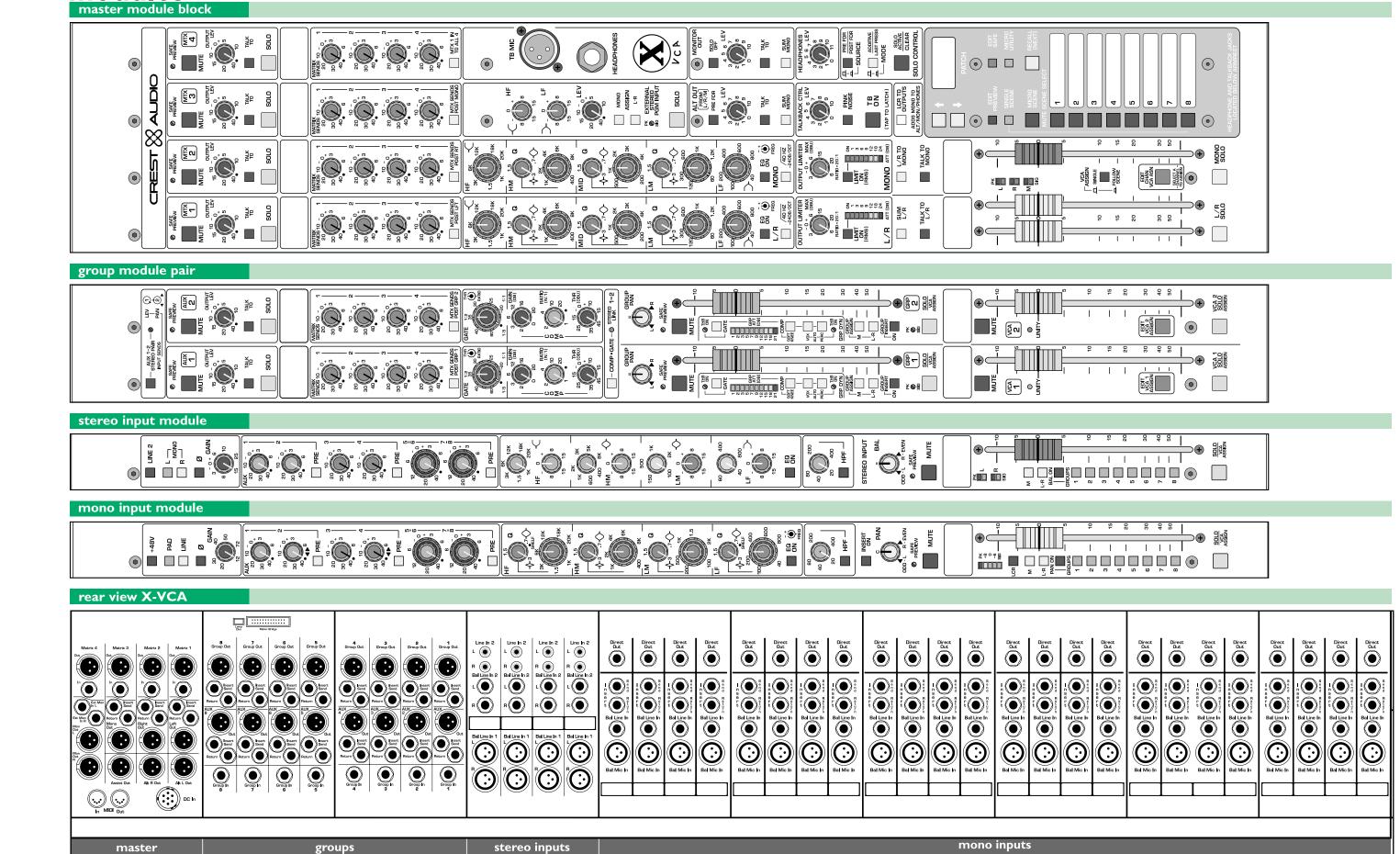
warranty

dimensions and weights

inputs

X-VCA

modules master module block



				۲	
any output <.01% THD 20Hz-20kHz @ +15dBu out				Q	
mic ein better-than - 128dBu 20Hz-20kHz—150ohm source, 60dB gain					
bus output noise less-than -80dBu—output fader @ 0dB, 24 channels routed				<u>ک</u> (
residual output noise less-than -90dBu—output fader at minimum				\otimes	
channel mute >90dl	3 channel routing >80dB				
channel fader attenuation >90dB aux send attenuation >75dB				M	
< +/- 30 degrees, 20Hz-20kHz-	-mic-in to main-out			0	
mic-in XLR 4k ohm balanced-	—max voltage gain to left/right balance	d out=98dB			
line-in TRS >10k ohms balance	ed			٩	
left/right/mono—group, aux, mat	rix—monitor-out all 100 ohms balan	ced	<u>I</u>		
headphones to drive > eight-of	nms			group modul	e pair
send 50 ohms ground-co	ompensated on TRS jack		Γ		
return >10k ohms balance	ed on TRS jack			ତ୍ର	
				HEN ()	
+4dBu max level +26dBu	balanced into >1k ohms				
high freq +/-15dB	froguoney range Hills 2011	Overiphie 30-07		AUX 1-2 STEREO PAIR INPUT SENDE	
0 1	frequency range IkHz-20kHz	Q variable $3.0-0.7$ switchable to shelving		AUX	
high-mid freq +/-15dB low-mid freq +/-15dB	frequency range 400Hz-8kHz	Q variable 3.0–0.7			
'	frequency range 100Hz-2kHz	Q variable 3.0–0.7			
low freq +/-15dB	frequency range 40Hz-800Hz	Q variable 3.0–0.7 switchable to shelving	_		
all group-outputs feature: comp	ressor with threshold. ratio and gain c	ontrols—plus soft-knee and response switches		stereo input	module
	ward expander/gate with adjustable th				
		rves stereo-imaging and allows for ducking effects		LINE	
		adj freq three mid-bands —adj freq and Q		•	
left/right/mono	nable high-pass filter—40Hz @ -24dB/				
adjust	able RMS output-limiters with thresho	ld control and eight-segment gain reduction meter		mono input n	nodule
five-segment LED ladder with VU-type response—displays pre-fader signal level					
top red-LED warns of impending overload anywhere within the channel, lowest green-LED shows signal-present				+48V	
				•	
thirteen mechanical VU-type me	ters with LED-illumination		L](
eight-meters showing group-outs	5			rear view X-	VCA
three-meters showing main-outs	(left/right/mono), and two dedicated s	olo-meters	Г		
sink using sources and find the	a salle haale aassian				Lamp Dim
pink-noise generator can feed th	e taik-back section			Matrix 4 Matrix 3 Matrix 2	Matrix 1 Group Out G
chassis is powder-coated 14-gau	ge galvanized steel with internal-brad	ing	a I		
modules are powder-coated 18-gauge galvanized steel with baked-epoxy screening					
	5 6 - 6		_		
see dimension-drawing			(Ext Mon In L Send	srt Insert Return Return AUX
U U			Ext	Man In R Mano Mano Out	
one-year parts and labor—US and Canada only					
			Ma		Return Return
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Crest Audio specification		Crest Audio reserves the right to make improvements in manufacturing or design		Assist Out Alt R Out	Alt L Out
in downloadable PDF 1 www.crestaudio.com	ormat at our website	improvements in manufacturing or design which may affect specification.			DC In
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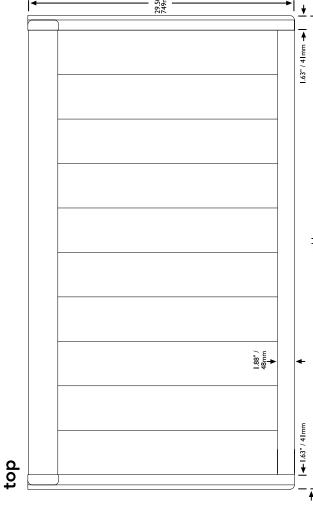
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v.I.I D7000021 4/10/00

+0/-1dB 20Hz-20kHz ref 1kHz @ +4dBu—any input to any output

100 Eisenhower Dr., Paramus NJ 07652 USA TEL: 201.909.8700 FAX: 201.909.8744 www.crestaudio.com



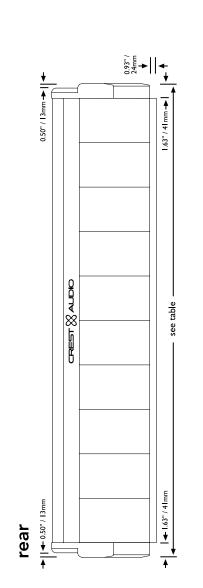


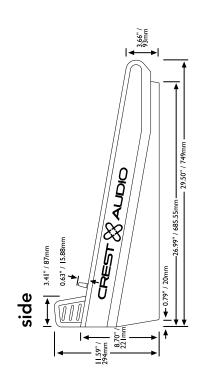


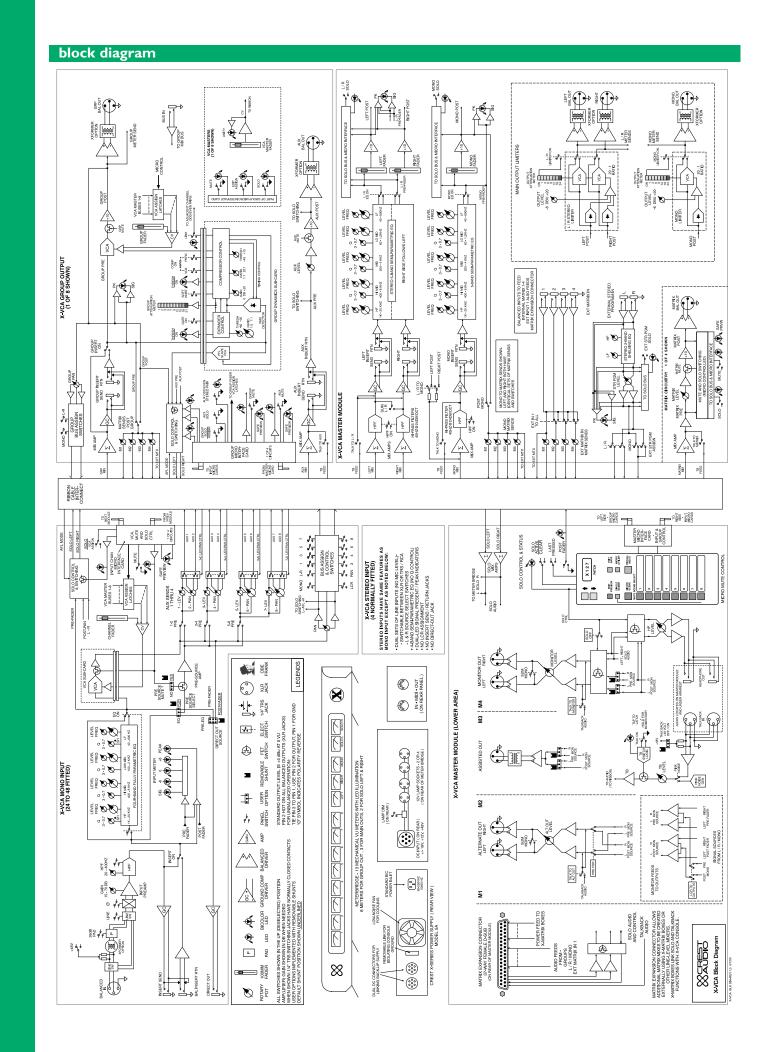
139 II 133 kg 165 II 165 II 75 kg

72.13 × 29.5 × 11.6 in 1901 183 × 75 × 29.5 cm 86 kg 81.97 × 29.5 × 11.6 in 2171 208 × 75 × 29.5 cm 99 kg

(inputs + groups + master + etc)







X-VCA console

SERIES

description

Simplicity of operation may be desirable in a generic console designed for users of all levels, but for the experienced professional, such products often fail to provide necessary professional features. Rather than employing a least-common-denominator approach, X-VCA includes those features most-desired by veteran front-of-house engineers. Full-parametric eq is provided on all mono input channels. Stereo full-facility input channels are used for effect-returns on faders, and eight-channels of dynamics are provided on group channels. Full-VCA control is provided, not only on input channels, but also on group channels for maximum control of complex mixes. Auxiliary sends may be switched between mono or stereo operation. Five-band eq and RMS-limiters are provided on the stereo and mono outputs, helping to maintain control of maximum signal-levels when strict noise ordinances are enforced.

sound fundamentals

Even in the most demanding environments, the sonic performance of the X-VCA is sure to please discriminating sound engineers and audiences alike. The X-VCA's circuitry delivers both extended headroom and low-noise: exclusively employing the latest-generation of integrated circuits and studio-grade proprietarydesign microphone pre-amplifiers.VCA-elements are the best available from THAT Corporation. The X-VCA console has exceptional phase-shift performance, exhibiting less than +/-30 degrees-of-shift from input to output—significantly better results than most consoles, regardless of price.

built to defy murphy's law

X-VCA consoles are manufactured to the same exacting qualitystandards as all Crest Audio console products. Each input channel has its own discrete vertically-mounted circuit board, for greater impact resistance and serviceability. All circuit boards employ plate-through double-sided glass epoxy construction—providing greater strength and integrity. The console's road-worthy external frame is fabricated from I4-gauge galvanized steel.

X-Series power supplies utilize amplifier-engineering technology to deliver stable voltages and long-term reliability, and provide built-in facilities for a redundant back-up supply—ensuring that the show will always go on.

features

- eight VCA-masters control input and group channels —VCA assignment may be stored via the microprocessor control system
- four-band eq and variable high-pass filter on all input channels
- mono inputs have full-parametric eq, while stereo inputs are sweepable in all four bands
- eight-channels of dynamics include variable-ratio COMPRESSOR/LIMITER and DOWNWARD EXPANDER (gate)
- output eq and RMS-limiters on primary stereo and mono outputs
- multiple outputs, including ALTERNATE OUTPUT, MATRIX I-4 (option for additional external matrix outputs) and dedicated ASSISTIVE LISTENING OUTPUTS
- direct-output on all mono input channels
- five-segment level indication on all mono input modules, with variable intensity SIGNAL PRESENT indicator and multiple sample point PEAK indicator
- stereo solo system features switchable AFL/PFL mode and LAST-PRESSED functions, with master SOLO CLEAR switch
- discrete bus assignment to groups, left/right and mono outputs
- true LCR panning available on mono input channels
- separate ground-compensated insert sends and balanced returns
- fully-balanced primary outputs and balanced mic and line inputs

wide range of configurations

X-VCA consoles are supplied with either 24, 32, 40, or 48 mono input channels, plus four full-featured stereo line-input channels which can also serve as effect-returns. These standard configurations include Master and Group modules—all other inputs may be ordered as mono-mic/line or stereo-line, in four-channel blocks.

microprocessor-based muting system

The X-VCA's straightforward microprocessor-based muting system was co-developed with JL Cooper, and combines muting flexibility with ease of operation. Eight manual-mute groups are provided, each with a dedicated activation-switch, any number of which may be activated at one-time. The system includes 128 MIDIbased sequential scene mutes that can work alone, or in conjunction with the manual mute groups. Scene mutes can be controlled via external MIDI signals, and each of the 128 mute scenes may be preset to issue a MIDI program-change command to an external device. Each of the 128 mute scene locations can be used to store and recall VCA channel-assignments, in addition to channel mute memory.



