



power

control

consoles



power



control



Philosophy	4
Amplifier History	6
Pro™ 200 Series Amplifiers	8
CD™ Series Amplifiers	12
CC™ Series Amplifiers	16
CPX™ Series Amplifiers	20
CA™ Series Amplifiers.....	24
Ci Series Amplifiers	28
CKi Series Amplifiers.....	36



CONTENTS

NexSys® Modules	36
CM™ Series Amplifiers	40
PA-I 50™ Amplifier	40
Console History	44
CV™ -20 Console	46
HP™ Series Consoles	50
X-Rack Series	56



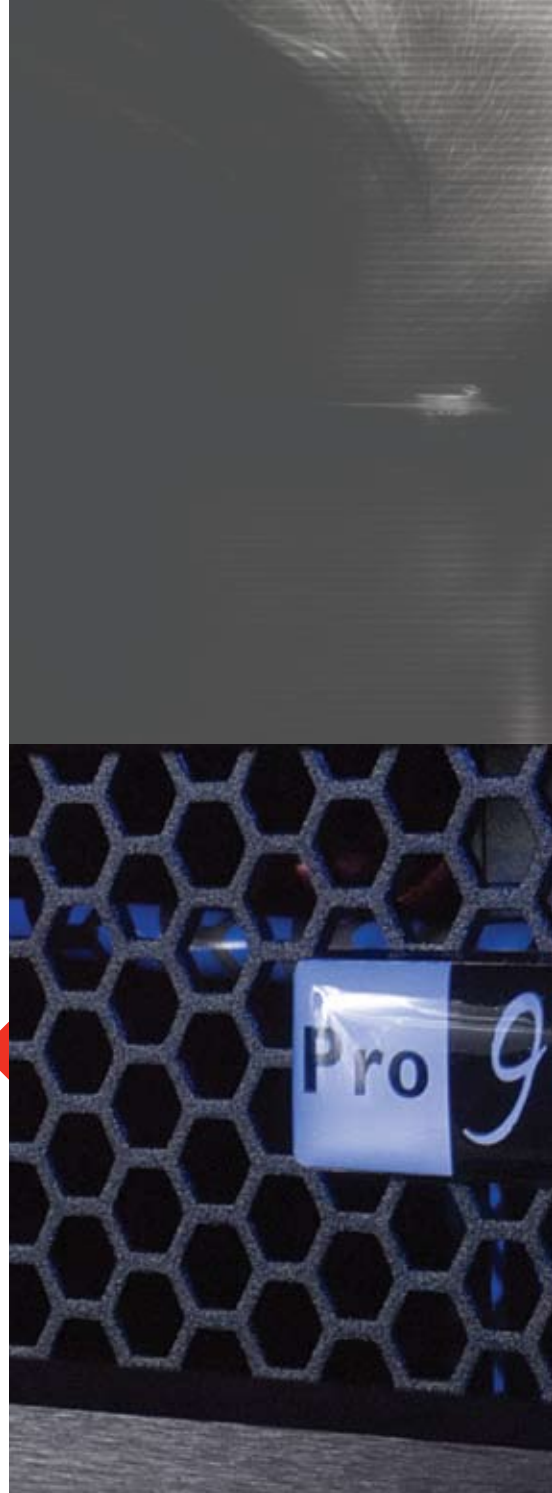


PHILOSOPHY

For over thirty years Crest Audio has been standard equipment in professional touring rigs and commercial installations throughout the world. With roots in high-end power amplifiers and world-class consoles, Crest Audio products are well known for rock-solid stability, quality and sonic excellence. Today, the tradition continues with a complete product range that serves a dynamic marketplace. Crest Audio products answer real-world demands and application-specific requirements with innovative designs and proven technologies that provide products with intuitive controls, installation-friendly packages and efficient connectivity. Continuing research and product development reflects a relentless commitment to ensure a foundation for emerging applications and new market demands. Service and support is second to none, ensuring that systems integrated with Crest Audio products deliver continuous performance for today's demanding applications. From concept to engineering and design to manufacturing, Crest Audio products continue to deliver the sonic performance, outstanding construction and superior quality that have made Crest Audio a standard among the world's audio elite.



Made In The U.S.A.



solid





stable

innovative design

installation-friendly



AMPLIFIER HISTORY

PROFESSIONAL AMPS FOR 30+ YEARS



Founded in the 1970s, Crest Audio has a long legacy as a builder of sonically superior, rugged power amplifiers for the touring sound industry. Subsequent engineering advances culminated with the release of the famed P3500™ with its dual 475-watt power modules in an astonishing two EIA rack unit. In 1983, Crest Audio

introduced a two-ohm-capable, high-power amplifier in three EIA rack units in what would become the famous Professional Series, the new standard in professional touring amplification. Additions to the Professional Series included amplifiers delivering up to 5000 watts of power in dual-module packages. Crest Audio next introduced the

NexSys® amplifier control system to rave reviews in 1991. NexSys would become the standard for future amplifier control technologies and is still a standard today. NexSys was a pivotal product for Crest Audio, taking amplifiers from touring racks to engineered system implementations. Today, NexSys can be found in the world's large-



est audio installations, from theme parks and stadiums to transportation and industrial applications. In the late 1990s, Crest Audio historically bridged professional-level performance with cost effective products. For the first time, it was possible to obtain touring-class audio performance, high-power density and integrated control

options for every conceivable sound system application. The new millennium saw advances in audio and control transport technology, making it possible to implement complete amplifier networking on a single cable. Further integration with the industry-standard Peavey MediaMatrix® DSP processing system made Crest Audio ampli-

ers and the NexSys control system a world standard. In 2002, Crest Audio introduced the next generation of the Professional Series, providing the same legendary sonic performance in smaller, lighter packages. The tradition continues as Crest Audio products are continually specified in the world's most prestigious applications.



Unmatched Power Density



► **PRO™ 200 SERIES AMPLIFIERS**

Famous for superior sonic performance, reliable operation and long service life, the Professional Series firmly established Crest Audio in the world of professional touring sound reinforcement amplification. Today, the Crest Audio Pro 200 Series extends that tradition with new lightweight, cost-effective amplifiers designed for touring, fixed sound reinforcement and advanced audio/visual systems. New advances in design, technology and manufacturing, combined with new features and a lightweight rugged chassis, make the Pro 200 Series the perfect choice in high-performance power amplifiers.

PRO™ 200 SERIES

PRO 9200/8200/7200/5200 POWER AMPLIFIERS

- Latest generation high-speed, wide-bandwidth output devices
- Dual, variable-speed fans
- Balanced Combi® inputs
- Speakon® and 5-way binding post speaker outputs
- Mode selector switch for stereo, parallel & bridged mono operation
- Input sensitivity selection
- Recessed, stepped attenuators
- Front-panel circuit breaker switch combination
- TourClass® Protection



DESIGNED WITH TOURING SOUND PROFESSIONALS IN MIND, THE **CREST PRO 200 SERIES** POWER AMPLIFIERS FAITHFULLY PRODUCE HIGH POWER WITH LOW DISTORTION IN AN EXTREMELY LIGHTWEIGHT, ECONOMICAL PACKAGE.



Pro 200 Series Amplifiers
Pack more power on the truck

	Pro 9200	Pro 8200	Pro 7200	Pro 5200
Stereo Power				
8 Ω Stereo	1,300 W	825 W	590 W	290 W
4 Ω Stereo	2,200 W	1,450 W	1,000 W	525 W
2 Ω Stereo	3,250 W	2,250 W	1,650 W	850 W
Bridged Mono				
8 Ω Mono	4,400 W	2,900 W	2,000 W	1,050 W
4 Ω Mono	6,500 W	4,500 W	3,300 W	1,700 W
Output Voltage RMS	113 V	90 V	75 V	52 V
8 Ω , 4 Ω Stereo and 8 Ω Bridged Mono Power ratings @ 1kHz, <.05% THD+N both channels driven. 2 Ω Stereo and 4 Ω Bridged Mono Power rating @ 1 kHz, <.1% THD+N				
Class	H	H	H	A/B
Unpacked Weight	21.8 lbs. (10 kg)	21.8 lbs. (10 kg)	21.8 lbs. (10 kg)	25 lbs. (11.34 kg)
Rack Space	2	2	2	2



The Evolution of Power



CD™ SERIES AMPLIFIERS

The Crest Audio CD Series represents the latest advancements in efficient power amplifier design. Designed for demanding applications, the CD Series features a new, highly efficient Class-D output stage and high-performance linear power supply. The new design results in an amplifier that delivers high output and superior sonic performance. The Class-D design provides additional benefits, including induced heat, low AC current draw and a very light 2RU chassis. The efficient design makes the CD Series perfect for applications where efficient power and performance is required. The CD Series brings Crest Audio performance and reliability to everyday applications including schools, clubs, sports facilities and more.



CD™ SERIES

CD 3000/CD 2000/CD 1500/CD 1000 POWER AMPLIFIERS

- Linear power supply/Class D stages
- Very low current draw
- Latest generation of high-speed, mosfet output devices
- Cooled by variable-speed fan with back-to-front airflow
- Balanced female Neutrik® XLR, 1/4" TRS combo input jacks
- Neutrik Speakon® and 5-way "touch-proof" binding post outputs
- Mode selector switch for stereo, parallel and bridged mono operation
- Ground-lift switch and rear-panel circuit breaker
- Recessed, stepped attenuators with removable knobs
- TourClass® protection circuits

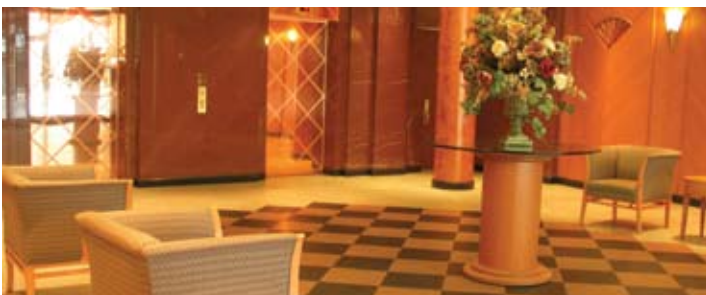


THE CD SERIES AMPLIFIERS DRAW MINIMAL CURRENT, WHICH MEANS THEY PRODUCE VERY MODEST AMOUNTS OF HEAT. ROOMS THAT DO NOT REGULATE TEMPERATURE WILL NOT BE A PROBLEM FOR THESE WORKHORSES, AND THEY CAN BE LEFT ON FOR DAYS WITHOUT WORRY.



Recessed, stepped attenuators with removable knobs are the perfect solution when settings need to be locked.

	CD 3000	CD 2000	CD 1500	CD 1000
Stereo Power				
8 Ω Stereo	800 W	560 W	400 W	280 W
4/2 Ω Stereo	1,500 W	1,000 W	750 W	500 W
Bridged Mono				
8/4 Ω Mono	3,000 W	2,000 W	1,500 W	1,000 W
Max Output Voltage RMS	85 V	72 V	64 V	53 V
1 kHz, 0.2% THD+N Power figures are watts per channel, both channels driven 1 kHz, 0.4% THD+N for 2 ohm stereo and 4 ohm bridged operation				
Class	D	D	D	D
Unpacked Weight	41.4 lbs. (18.8 KG)	38 lbs. (17.34 kg)	35 lbs. (16 kg)	30 lbs. (13.7 kg)
Rack Space	2	2	2	2





Bring Power to the Masses



▶ **CC™ SERIES AMPLIFIERS**

True to the Crest Audio heritage, CC Series amplifiers are based on the time-tested, proven design of the flagship Pro™ 200 Series. The highly efficient linear power supply provides stable, high-output power for a wide range of demanding musical applications. Systems designed specifically for house mains, high-SPL foldback monitoring, subwoofers, mobile DJ work and contemporary worship will find the CC Series to be the perfect choice. Built under renowned Crest Audio engineering standards and forward-thinking manufacturing processes, CC Series amplifiers are cost-effective solutions to today's most demanding sound reinforcement applications.

CC™ SERIES

CC 5500/CC 4000/CC 2800/CC 1800 POWER AMPLIFIERS

- Toroidal power transformer
- Dual, variable-speed fans on CC 2800, CC 4000 and CC 5500, single fan on CC 1800
- Balanced XLR inputs
- Speakon® and 5-way binding post speaker outputs
- Mode selector switch for stereo, parallel and bridged mono operations
- Input sensitivity selection
- Recessed, stepped attenuators
- Front-panel circuit breaker switch
- TourClass® protection circuits



THESE ROBUST AMPS ALSO BOAST MORE POWER DEVICES (**16 PER CHANNEL**) THAN ANY COMPETITIVE AMPLIFIER, PLUS A SWITCHED-RAIL **CLASS-H** OUTPUT STAGE AND TRIPLE-COMPOUND DESIGN TO PROVIDE LOW DISTORTION AND EXCELLENT THERMAL STABILITY.

	CC 5500	CC 4000	CC 2800	CC 1800
Stereo Power				
8 Ω Stereo	1,150 W	800 W	595 W	450 W
4 Ω Stereo	1,800 W	1,350 W	965 W	700 W
2 Ω Stereo	2,750 W	2,000 W	1,400 W	900 W
Bridged Mono				
4 Ω Mono	5,500 W	4,000 W	2,800 W	1,850 W
Max Output Voltage RMS	115 V	93 V	82 V	73 V
8 Ω , 4 Ω Stereo and 8 Ω Bridged Mono power ratings @ 1 kHz, <.05% THD+N both channels driven. 2 Ω Stereo and 4 Ω Bridged Mono power rating @ 1 kHz, <.1% THD+N				
Class	Switched Rail, H	Switched Rail, H	Switched Rail, H	Modulated Rail, H
Unpacked Weight	47 lbs (21.32 kg)	43.3 lbs (19.64 kg)	39.8 lbs (18.05 kg)	32.6 lbs (14.8 kg)
Rack Space	2	2	2	2



Great Sound Quality, Flexibility and Reliability



▶ **CPX™ SERIES AMPLIFIERS**

With the four rugged, ultra-affordable power amplifier designs in the CPX Series, Crest Audio engineers kept the frills where they count—on the inside. Over-built and over-engineered for added reliability and efficiency, CPX amps feature built-in subwoofer crossovers, low-cut filters, Speakon® output connectors and an exclusive V-shaped Turbo Cooling™ airway that progressively narrows to concentrate air flow for maximum heat transfer from the output devices mounted on each side. Crest Audio's exclusive Gain Comparator Limiting™ (GCL) circuitry senses the onset of clipping and dynamically reduces the gain for a few milliseconds, allowing users to drive CPX amps to their maximum without hearing any distortion.

*Excludes CPX 3800

CPX™ SERIES

CPX 3800/CPX 2600/CPX 1500/CPX 900 POWER AMPLIFIERS

CPX 3800

- Crest Audio's patented Gain Comparator Limiting (GCL) system for maximum output without audible distortion
- Demand-sensitive, variable-speed fans
- Detented gain controls
- Power, GCL and signal present LEDs on each channel
- Built-in 150 Hz, 18 dB/octave subwoofer crossover with 1/4" output
- Current in-rush limiter
- Overheat, short circuit, clip limiting, faulty load and DC circuits protect your valuable sound reinforcement speakers and the CPX amplifier
- Barrier strip, balanced XLR and 1/4" TRS inputs with signal pass-through
- Massive toroid transformer and storage capacitors



CPX 2600/CPX1500/CPX900

- GCL Gain Comparator Limiting™ (GCL) system
- Rear-panel GCL™ defeat switch
- Built-in crossover
- 150 Hz, 24 dB per octave Linkwitz-Riley filter, tuned for subs
- Individual in/out of the crossover
- 1/4" daisy-chain outputs
- 18 dB per octave at 80 Hz defeatable low cut filter
- Input connectors: barrier strip, female XLR and 1/4"
- Speakon® outputs for Ch A and B and bridged mono
- Binding post outputs
- Mode selector switch for stereo and bridged-mono operation
- Two-speed DC fan



THE CPX™ IS AN AFFORDABLE LINE OF AMPLIFIERS GEARED TOWARD THE MI AND DJ MARKETS. INDUSTRY-STANDARD CONNECTORS AND FEATURES MAKE THE CPX ESSENTIAL FOR MOBILE SOUND SYSTEMS, PROJECT STUDIOS AND MUSICIANS.

	CPX 3800	CPX 2600	CPX 1500	CPX 900
Stereo Power				
8 Ω Stereo	800 W	540 W	300 W	180 W
4 Ω Stereo	1,300 W	900 W	500 W	300 W
Bridged Mono				
8 Ω Mono	2,650 W	1,800 W	1,000 W	600 W
Class	Class H	Class H	Class AB	Class AB
Unpacked Weight	43 lbs. (19.5 kg)	49 lbs. (23.3 kg)	45 lbs. (20.5 kg)	40 lbs. (18.2 kg)
Rack Space	2	2	2	2



Performance, Power and Reliability



CA™ SERIES AMPLIFIERS

CA Series amplifiers deliver Crest Audio performance in a high-performance, cost-effective package. Designed for applications where stable, reliable operation is a priority, the CA Series is built with a heavy duty power supply, robust cooling and high-speed output devices to withstand the rigors of continuous use. A wide range of models makes the CA Series perfect for applications where multiple power loads are required. Versatile configurations of dual-channel and bridged operation are included on every CA Series model, and their support for 2-ohm loads extends the value of even the largest systems.



CA™ SERIES

CA 18/12/9/6/4/2 POWER AMPLIFIERS

INSTALLATIONS WORLDWIDE. AUDITORIUMS, CHURCHES, SPORT FACILITIES, MUSEUMS AND THEME PARKS ARE ALL IDEAL CANDIDATES FOR THE **CA SERIES'S** COMBINATION OF VALUE AND SONIC ACCURACY.

- Legendary robust power supply
- Toroidal power transformer
- Latest generation of high-speed, wide-bandwidth output devices
- Twin-tunnel cooling with back-to-front air flow
- Dual, rear-mounted, continually variable-speed fans
- Balanced male and female XLR inputs with switch-configurable XLR polarity and sensitivity selection
- Speakon® or five-way binding post output connectors (market dependent)
- Stereo, parallel and bridged-mono mode selector switch
- Ground-lift switch
- Front-panel circuit-breaker switch
- Recessed, stepped attenuators
- SIGNAL present/active, PROTECT and ACL LEDs
- Modular construction
- Powder-coated steel chassis
- TourClass® Protection



	CA 18	CA 12	CA 9
Stereo Mode 1kHz, 0.01% THD+N			
8 Ω Stereo	1,000 W (0.3% THD+N)	700 W	600 W
4 Ω Stereo	1,800 W (0.3% THD+N)	1,200 W	900 W
2 Ω Stereo	2,500 W (0.3% THD+N)	1,400 W	1,000 W
Bridged Mono			
8 Ω Mono	3,600 W (0.3% THD+N)	2,400 W	1,800W
4 Ω Mono	5,000 W (0.3% THD+N)	2,800 W	2,000W
Stereo Mode 20Hz-20kHz, 0.1% THD+N			
8 Ω Stereo	950 W	650 W	50 W
4 Ω Stereo	1,700 W	1,100 W	800 W
2 Ω Stereo	2,400 W	1,100 W	900 W
Bridged Mono			
8 Ω Mono	3,400 W	2,200 W	1,600W
4 Ω Mono	4,800 W	2,200 W	1,800 W
Max RMS Output Voltage (each Ch.)	99 V	90 V	82 V
Max Peak Output Voltage	140 V	126 V	116 V
Class	H	H	H
Unpacked Weight	77 lbs. (34.96 kg)	67 lbs. (30.42 kg)	47 lbs. (21.33 kg)
Rack Spaces	3	3	2
	CA 6	CA 4	CA 2
Stereo Mode 1kHz, 0.01% THD+N			
8 Ω Stereo	400 W	250 W	160 W
4 Ω Stereo	600 W	435 W	250 W
2 Ω Stereo	750 W	500 W	N/A
Bridged Mono			
8 Ω Mono	1,200 W	830 W	500 W
4 Ω Mono	1,500 W	1,000 W	N/A
Stereo Mode 20Hz-20kHz, 0.1% THD+N			
8 Ω Stereo	350 W	245 W	150 W
4 Ω Stereo	500 W	400 W	200 W
2 Ω Stereo	600 W	450 W	N/A
Bridged Mono			
8 Ω Mono	1,000 W	800 W	450 W
4 Ω Mono	1,200 W	900 W	N/A
Max RMS Output Voltage (each Ch.)	73 V	58 V	44 V
Max Peak Output Voltage	103V	82 V	62 V
Class	H	AB	AB
Unpacked Weight	44 lbs. (19.97 kg)	41 lbs. (18.61 kg)	33 lbs. (14.98 kg)
Rack Spaces	2	2	2



Big Power, Small Size & Expanded Flexibility



Ci™ SERIES AMPLIFIERS

New to the Crest Audio family, the Ci Series brings high-performance audio to the systems integration market. The Ci Series features an efficient, air-cooled power supply in a compact, 2RU chassis, with support for constant-voltage outputs to support installations that require a wide variety of loads with efficient rack layouts. Support for optional monitoring and control make the Ci Series a perfect choice for applications where paging, fire-alarm or priority control is required. Additional support for NexSys® control modules extends the Ci Series into advanced systems where integrated control, audio transport and signal processing is required at the amplifier.

Ci™ SERIES

Ci 20x8/Ci 30x4 POWER AMPLIFIERS

- Four- and eight-channel versions available
- Individual channels are selectable as low impedance or 70 volt
- Front- and rear-panel indicators for amplifier status
- Full amplifier control and monitoring via NexSys® 4 software or Peavey MediaMatrix® product and digital audio distribution
- Variable-speed fan
- Sequential turn-on standard
- Euro-style input connectors
- Barrier strip output connectors
- One controlled-voltage input per channel standard
- One fault relay per channel standard
- 100- and 50-volt operation supported with external accessories
- EN60849 and ANSI60849 compliant with optional accessories
- TourClass® protection



Ci AMPLIFIERS ARE DESIGNED TO DRIVE LOW-IMPEDANCE OR **70-VOLT** SPEAKER LOADS WITHOUT BRIDGING BETWEEN CHANNELS, AND CAN ACCOMMODATE MODULES THAT FACILITATE LOAD MONITORING, DIGITAL AUDIO DELIVERY AND CREST AUDIO'S NexSys® NETWORKING.



	Ci 20x8	Ci 30x4
Dual Power		
70V	200 W x 8	300 W x 4
8 Ω	200 W x 8	300 W x 4
4 Ω	150 W x 8	200 W x 4
Bridged Mono Power		
140V	400 W x 4	600 W x 2
16 Ω	400 W x 4	600 W x 2
8 Ω	300 W x 4	400 W x 2
4 Ω		
Class	D	D
Rack Space	2	2
Weight	36.5 lbs. (16.65 kg)	34 lbs. (14.83 kg)



Multiple Projects, One System—Simply Intelligent



CKi™ SERIES AMPLIFIERS

CKi Series amplifiers represent a unique blend of proven technology, advanced features, reliability and superior audio performance. Designed specifically for large-scale systems integration, CKi Series amplifiers are the heart of an advanced network, merging audio, control, monitoring and maintenance into a single amplifier. CKi Series amplifiers provide famous Crest Audio performance in a commercial package with advanced features and multiple expansion options. Integral module bays support optional network modules that transform these individual amplifiers into network nodes designed for complete integration. Additional support for the Nx Series modules and integration with Peavey MediaMatrix® DSP processing systems provide powerful, turnkey systems. CKi Series amplifiers simplify the process of terminating output loads with models for direct-coupled and constant-voltage loads.

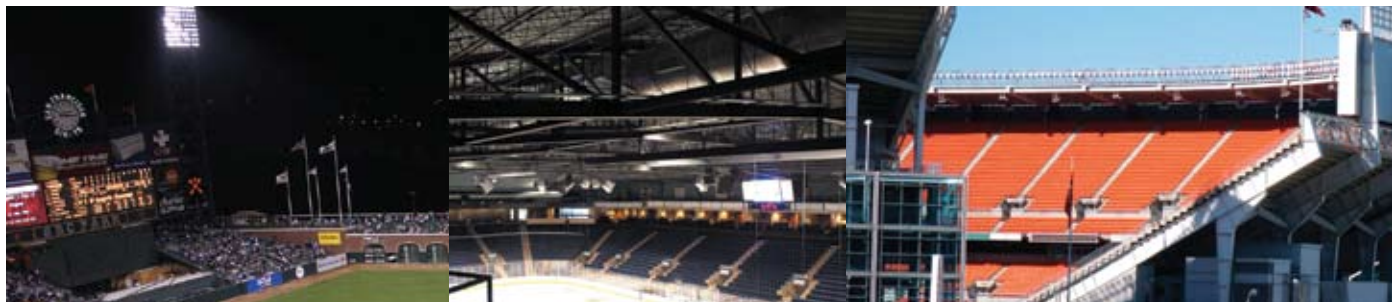


CKi™ SERIES

CKi 1600S/1200S/800-2S/800S/400S/200S/100S

CKi 2400V/1600V/800V/400V/200V/100V POWER AMPLIFIERS

- Three-pin Euro-style inputs
- Terminal strip speaker outputs
- Mode selector switch for stereo, parallel & bridged-mono operation
- Input sensitivity selection
- Front panel circuit-breaker switch
- 70-volt stereo (V Series)
- Legendary robust power supply
- Rear-mounted attenuators with removable knobs
- Front-to-side cooling
- Signal present, active, protect and ACL LEDs on front and rear of amplifier
- PowerSave and sequential turn-off (hardwired STO standard on all models)
- Fault I/O for connection to other monitoring systems
- TourClass® Protection



MODULE BAYS ON THE REAR OF THE CKi AMPLIFIERS ALLOW USERS TO INSTALL A WIDE VARIETY OF SIGNAL PROCESSING MODULES, WHICH CAN THEN BE PLACED UNDER COMPUTER CONTROL.



CKi S AMPS	CKi 1600S	CKi 1200S	CKi 800-2S	CKi 800S	CKi 400S	CKi 200S	CKi 100S
Stereo Power							
8 Ω Stereo	815 W	630 W	420 W	440 W	255 W	120 W	60 W
4 Ω Stereo	1130 W	940 W	670 W	670 W	320 W	175 W	90 W
2 Ω Stereo	1440 W	1130 W	870 W	N/A	N/A	N/A	N/A
Bridged Mono							
8 Ω Mono	2260 W	1880 W	880 W	880 W	510 W	350 W	180 W
4 Ω Mono	2880 W	2260 W	1740 W	N/A	N/A	N/A	N/A
Output Voltage RMS	90 V	78 V	64 V	64 V	56 V	32 V	22 V
Maximum	127 V	110 V	90 V	90 V	64 V	45 V	31 V
Power ratings are Watts per channel, both channels driven, 1 kHz, 0.02% THD+N							
Class	H	H	H	AB	AB	AB	AB
Rack Space	4	4	3	3	2	2	2
Weight	70.7 lbs. (32 kg)	70.7 lbs. (32 kg)	70.7 lbs. (32 kg)	50.5 lbs. (22.8 kg)	30.4 lbs. (13.8 kg)	29.4 lbs. (13.3 kg)	6.6 lbs. (12 kg)

CKi V AMPS	CKi 2400V	CKi 1600V	CKi 800V	CKi 400V	CKi 200V	CKi 100V
Stereo Power						
70.7 Volts	1200 W	800 W	400 W	200 W	100 W	50 W
Bridged						
140 Volts	2400 W	1600 W	800 W	400 W	200 W	100 W
Output Voltage RMS	92 V	92 V	92 V	92 V	92 V	92 V
Maximum	140 V	140 V	140 V	140 V	140 V	140 V
70.0 Volt power rating is Watts per channel, both channels driven, 20Hz - 20kHz, 0.02% THD+N						
*Bridged mono operation						
Class	H	H	AB	AB	AB	AB
Rack Space	4	4	3	2	2	2
Weight	70.7 lbs. (32 kg)	70.7 lbs. (32 kg)	50.2 lbs. (22.8 kg)	30.7 lbs. (13.9 kg)	27.2 lbs. (12.4 kg)	5.3 lbs. (11.5 kg)

CKi X AMPS	CKi 800X	CKi 500X	CKi 300X	CKi 150X
Stereo Power				
50 Volts*	400 W	250 W	150 W	75 W
70 Volts	400 W	250 W	150 W	75 W
100 Volts	400 W	250 W	150 W	75 W
Bridged				
200 Volts	800 W	500 W	300 W	150 W
100 Volts*				
Output Voltage RMS	105 V	105 V	105 V	105 V
Maximum	200 V	200 V	200 V	200 V
70.0 Volt power rating is Watts per channel, both channels driven, 20Hz - 20kHz, 0.02% THD+N				
*Bridged mono operation				
Class	AB	AB	AB	AB
Rack Space	3	3	3	3
Weight	57 lbs. (25.9 kg)	35 lbs. (15.9 kg)	35 lbs. (15.9 kg)	32 lbs. (14.6 kg)

*Dual 50 volt and bridged 100-volt operation must be preconfigured at factory.





The Power of Control



NEXSYS® MODULES

NexSys extends the legacy of Crest Audio far beyond the traditional power amplifier. Today's complex, integrated systems require advanced tools for complete system configuration, operation and management. NexSys modules make system design and implementation more efficient than ever through extensive support for CobraNet audio transport and IP-based management. With NexSys integration, large-scale systems can take advantage of structured cabling systems for flexible, cost-effective installations. Since tools for monitoring amplifier health, audio levels and transport are built-in, building sophisticated, supervised systems with the industry's best-sounding amplifiers is now a reality.

Shown:

Nx CobraNet™ w/ Nx DSP-8

Nx CobraNet

Nx Ethernet

NEXSYS® SERIES

AMPLIFIER CONTROL OPTIONS

NEXSYS® IS SCALABLE AND FEATURES SIGNAL PROCESSING, OUTPUT MONITORING, SPEAKER CONTROL, AMPLIFIER SYSTEM FAULT MONITORING, REAL-TIME CONTROL OF AMPLIFIER AND SIGNAL PROCESSING SETTINGS AND VIRTUALLY UNLIMITED SNAPSHOT AND AUTOMATION CAPABILITIES.



Nx ETHERNET MODULE

OPTIONAL MODULE FOR NEXSYS CONTROL OF CK/ AMPLIFIERS

- Gain control
- Sequential power
- Amplifier monitoring
- Audio return via Ethernet
- Real-time load monitoring: uses program audio (music) to continually monitor the speaker impedance
- Samples in the frequency spectrum are compared in real time to give test as accurate impedance vs. frequency plots
- LED display enables in-rack readout and monitoring of temperature, gain, AC voltage, mute and fault status
- Multiple points of control
- Expansion connector for NxDSP option



Nx COBRANET MODULE

OPTIONAL MODULE FOR NEXSYS CONTROL AND COBRANET DIGITAL AUDIO

- Brings two channels of audio to the amplifier via CobraNet
- Performs the full suite of NexSys functions at the same time (identical to Nx Ethernet)
- Control Data and Audio are on the same wire; only one cable needs to be routed to each amplifier, dramatically reducing wire nest and complexity



Nx DSP

OPTIONAL DSP FOR NEXSYS CONTROL AND COBRANET DIGITAL AUDIO

- Eight-channel line-level outputs with the ability to distribute DSP-processed signals to non-NexSys amplifiers
- Eight channels of digital signal speaker processing



POWER IS CONTROL

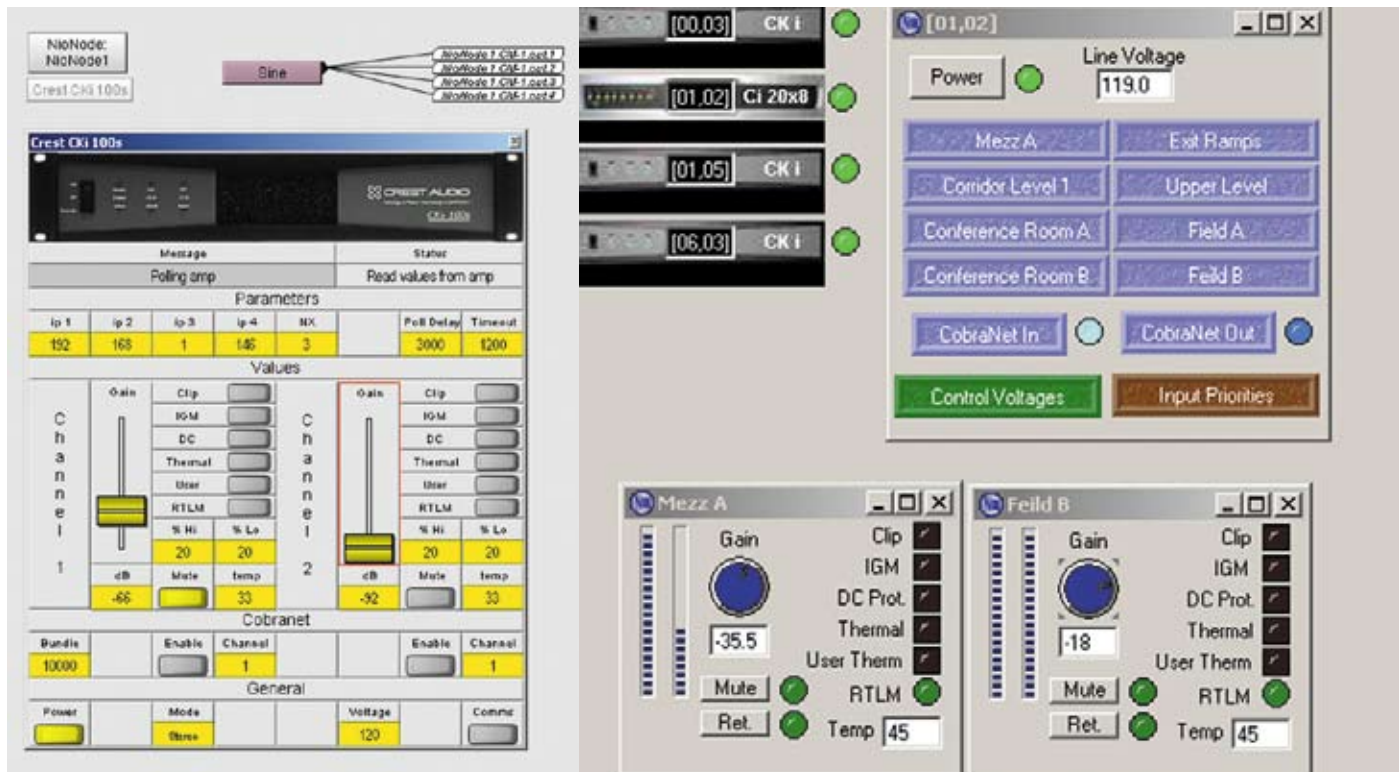
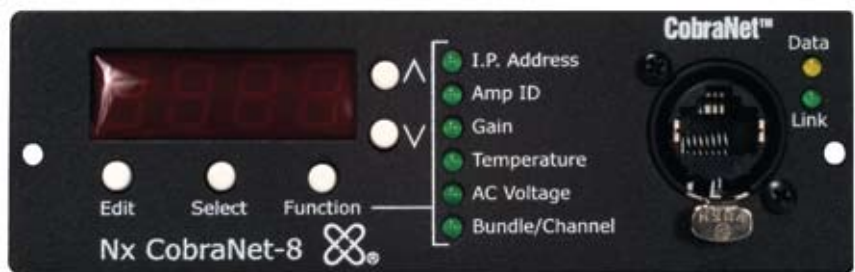


ALL **NEXSYS®** DEVICES CAN BE CONFIGURED AND MONITORED BY CREST AUDIO'S **NEXSYS 4** SOFTWARE OR BY **MEDIA MATRIX® M-WARE™** OR **N-WARE™** SOFTWARE.

Nx COBRANET-8 MODULE

OPTIONAL MODULE FOR NEXSYS CONTROL OF C
AMPLIFIERS

- Brings eight channels of audio via CobraNet to the amplifier
- Performs the full suite of NexSys functions at the same time (identical to Nx Ethernet)
- Control Data and Audio are on the same wire; only one cable needs to be routed to each amplifier, dramatically reducing wire nest and complexity
- Eight channels of digital signal speaker processing



CREST AUDIO INDUSTRIAL AMPLIFIERS

Complex commercial audio installations often require hundreds of loudspeaker zones with a variety of loudspeaker loads. Crest Audio industrial amplifiers provide efficient, cost-effective solutions for a wide variety of multi-zone installations with strong, reliable workhorse design and construction.

Multi-Channel, Constant-Voltage Solution

CM™ SERIES

The CM Series breaks new ground by providing Crest Audio sonic performance in powerful, multi-channel configurations. The perfect choice for multi-zone systems, the CM Series provides up to 220 watts in four- and eight-channel 2RU packages. Support for multiple loads is provided with configurable channels to allow termination of direct-coupled or constant-voltage loudspeaker loads. Front-panel signal monitoring, rear-panel terminations, rear-panel attenuators and loudspeaker protection circuitry ensure hassle-free operation for a wide variety of applications.

Single Rack Space, Dual Channel

PA-I50™

The Crest Audio PA-I50 is a time-tested, efficient and versatile power amplifier. With 75 watts in a two-channel, 1RU package, the PA-I50 is a great addition to many systems. With support for direct-coupled and constant-voltage loads*, the PA-I50 is often used as a supplement for larger installations where additional zones are required. In smaller applications, the PA-I50's small size and integral convection cooling make it the perfect choice when high quality audio is required and space is at a premium.

*Optional accessory required for 100-volt constant-voltage operation.



CREST AUDIO INDUSTRIAL AMPLIFIERS

CM™ SERIES AND PA™ 150 AMPS, AND CPX™ OUTPUT ISOLATION TRANSFORMER UNITS

CM™ SERIES AMPS ARE AT HOME WHEREVER INDUSTRIAL-STRENGTH POWER IS REQUIRED, FROM PAGING SYSTEMS IN VENUES LIKE AIRPORTS AND SCHOOLS TO HOUSE SYSTEMS IN BARS, CLUBS, RESTAURANTS, VIDEO CONFERENCING SYSTEMS, HOTELS, MOTELS, RETAIL STORES AND MORE.

CM™ SERIES CM 2204/CM 2208 POWER AMPLIFIERS

- Multi-load architecture allows low impedance or 70V operation at the same power levels without select switch (100V or 50V output operation with CMX accessory)
- Low mains current draw
- Cost effective for many multi-channel applications
- Flexible configuration
- Excellent south quality
- Easy setup
- TourClass® protection circuits



	CM 2204	CM 2208
Output Power		
4 Ω	150 W x 4	150 W x 8
8 Ω	220 W x 4	220 W x 8
70V	220 W x 4	220 W x 8
Class	D	D
Unpacked Weight	34 lbs. (14.83 kg)	36.5 lbs. (16.65 kg)
Rack Space	2	2

ROCK SOLID

PA™ 150 DUAL-CHANNEL POWER AMPLIFIER

- Load selector switch
- 75 watts RMS/channel (4, 8 or 16 ohms)
- Bridged mode operation (150 watts, 8 ohms)
- Electronically balanced inputs
- Single rack space
- Convection cooled
- TourClass® protection circuits



	PA 150
Output Power	75 W x 2
4 Ω	
Class	A/B
Unpacked Weight	16.5 lbs. (7.5 kg)
Rack Space	1

CMX™ CMX 4 / CMX 8 OUTPUT ISOLATION TRANSFORMER UNITS STEPS 70 VOLT DIRECT OUTPUT TO 100 VOLT ISOLATED OUTPUT

- Single rack space
- Four- and eight-channel versions available



CONSOLE HISTORY

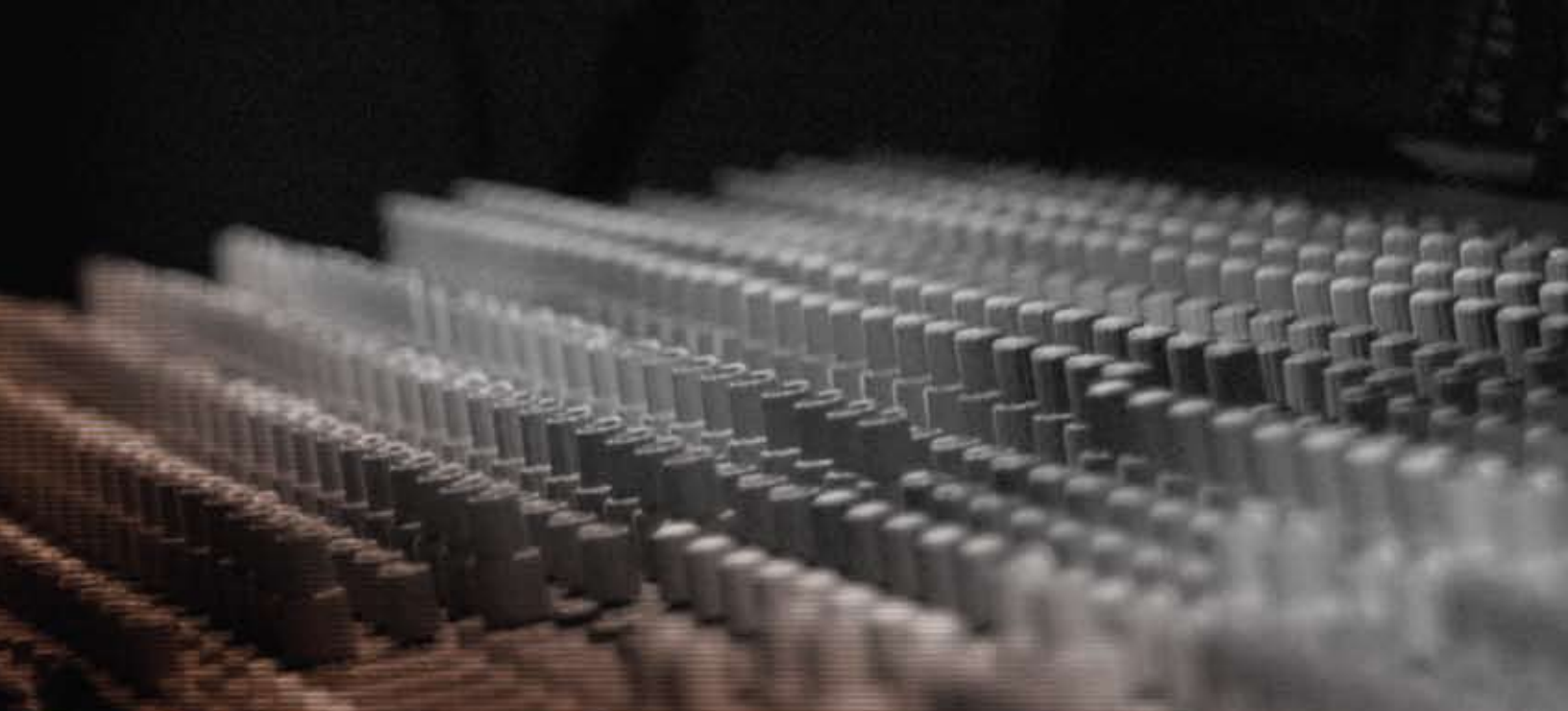
THE PROFESSIONAL STANDARD



Crest Audio consoles are famous for their superior sonic performance, musical EQ and robust summing amplifiers. Long a standard for professional touring work, Crest Audio consoles have been the choice of premier mix engineers throughout the world for over 20 years. Crest Audio consoles have their roots with

legendary designer Jim Gamble, who was known as a no-compromise audio designer, producing custom analog modules for a variety of audio applications. Gamble's microphone preamplifiers were famous for their pristine, high-bandwidth performance while his summing busses ensured that the high levels of world-class touring acts had

plenty of headroom. In 1989, Crest Audio became the exclusive manufacturer of Gamble consoles, with an initial offering of the famed Gamble EX Series. As the roots of this great console evolved, Crest Audio engineers refined the time-tested circuits of the Gamble design, cumulating with the release of the Century Series, which



allowed Crest Audio to move from a relatively small, boutique console builder to the mainstream touring regional sound markets. The Century Series found its place in the growing large-format touring market, becoming a standard that still stands today. The V-12, a powerful blend of the Crest Audio sonic performance and the lat-

est manufacturing techniques, arrived in 1998, giving touring companies a console that stood up to the rigors of road work with a rock-solid chassis and improved electronics assemblies. Subsequent releases expanded the Crest Audio console line and included the popular X-Series, which for the first time brought Crest Audio console

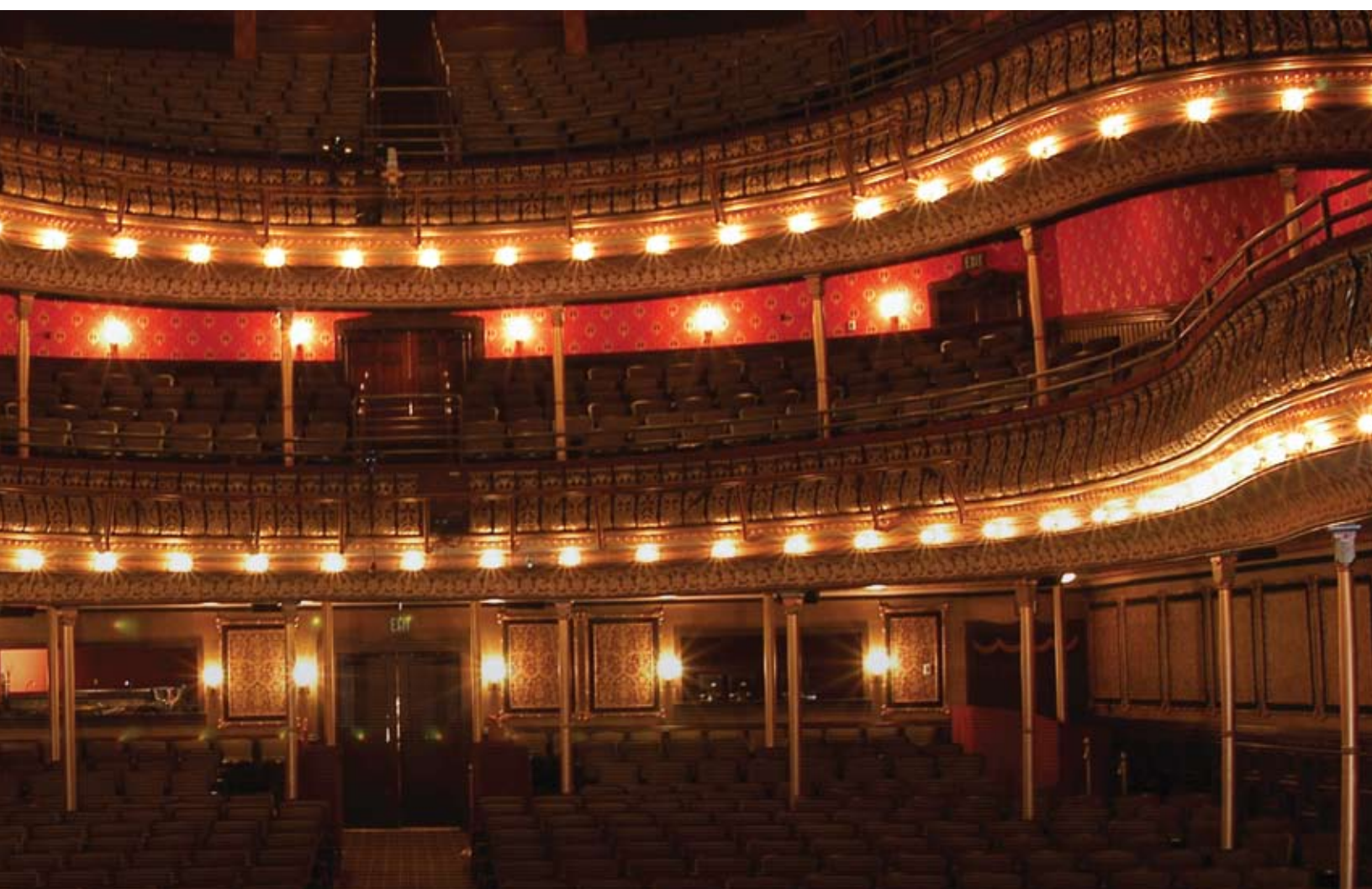
performance to smaller, fixed installations. Today, the HP, X-Series, and the new CV-20 series consoles combine the legacy of Crest Audio performance with state-of-the-art manufacturing and new features in a cost-effective package. That's why Crest Audio continues to be one of the world's most popular console builders.

The New Generation of VCA-Controlled Live Performance Consoles



CV™ 20 CONSOLE

The new CV 20 is a true VCA console, providing flexible operation for a wide variety of live-sound and fixed-installation applications. Configurable as a front-of-house or monitor console, the CV 20 includes a unique blend of powerful features, including three primary (LCR) busses, eight subgroups and twelve auxiliary busses. An expandable matrix and a generous array of additional outputs make the CV 20 one of the most versatile consoles available. With large-format features in a medium modular format—up to 56 mono and 8 stereo inputs—the CV 20 brings Crest Audio sonic performance to new markets. Intuitive control layout allows simple, immediate access to key functions while configurable fader modes provide even more operational flexibility. High-quality dynamics processing is provided for all output groups, and like all Crest Audio consoles, sonic performance is second to none. An integral scene/mute controller coupled with full talkback, solo and cue functionality provide efficient operations. Support for redundant power supplies and a versatile expansion interface make the CV 20 a wise investment for any application.



CV™ 20 VCA CONSOLE

32, 40, 48, 56, OR 64 INPUT CHANNEL COMBINATIONS INCLUDING 8 STEREO CHANNELS IN EACH FRAME SIZE AND A METER BRIDGE OPTION

- Eight subgroups
- VCA masters
- Semi-modular inputs in blocks of eight
- Inserts on all mono and main outputs
- Optional Meter Bridge to monitor outputs in VU
- LED bar-graph metering on all inputs and outputs
- True LCR panning from mono inputs and subgroups
- Optional Bus Link modules that link two consoles
- Optional digital audio transport modules
- 24, 32, 40, 48 and 56 mono + 8 stereo frame sizes
- Flexible design allowing FOH, Monitors or Monitors from FOH applications
- Fader reverse function allows fader and VCA control on aux outputs
- 12 auxes with flexible configurations (1-4 mono, 5-10 switchable between mono and stereo, 11 & 12 stereo with pre and post switching in the same configuration)
- Full dynamics on all main outputs (L/R/M and subgroups) that are routable to the aux masters
- 16 mute groups, 136 mute scenes and MIDI mute scene control
- USB Link for saving settings via jump drive
- Direct outs on all inputs (switchable between pre and post fader from the top of the surface)



Meter Bridge

An optional meter bridge is also provided for all CV™ frame sizes for analog monitoring (in VU) of all outputs. A total of 17 meters are provided on a meter bridge that is segmented into two sets. The first 12 meters can meter both subgroups and matrix outputs or by all 12 auxes engaging the aux switch. The second set of five meters are fixed to monitor the Left, Right, Mono/Center and Solo Left and Right busses.

Power Supplies

Two internal, field-replaceable, power-factor corrected, universal power supplies come standard with all CV packages. A DC connector also comes stock with CV units for an external PSU option.



Bus Link Module

Two CV 20 frames can be linked with the optional bus link module. By using DSUB 37 connectors, the busses from two consoles can be linked. Busses include: main busses (L/R/M), subgroups, auxes.



MIDI Controllers

The scene controller allows easy editing for mute and VCA assignment automation via a soft mute assignment, providing eight manual mute groups or scenes and 128 sequenced mute scenes that can be controlled locally via MIDI. Programs from the scene controller can be saved to a jump drive via the USB interface underneath the armrest. The USB interface can also connect a PC to control the scene controller via MIDI over USB.





A TRUE VCA CONSOLE, THE CV 20 INCLUDES THREE PRIMARY (LCR) BUSSES, EIGHT SUBGROUPS AND TWELVE AUXILIARY BUSSES. AN EXPANDABLE MATRIX AND A GENEROUS ARRAY OF ADDITIONAL OUTPUTS.

Frame Size	Dimensions (W x D x H in inches)	Weight	Lights
CV20-32	61.9 x 34.6 x 12.4	145 lbs.	3
Standard Models include 24 Mono inputs + 8 Stereo			
CV20-40	72.7 x 34.6 x 12.4	165 lbs.	4
Standard Models include 32 Mono inputs + 8 Stereo			
CV20-48	83.4 x 34.6 x 12.4	185 lbs.	4
Standard Models include 40 Mono inputs + 8 Stereo			
CV20-56	94.2 x 34.6 x 12.4	205 lbs.	5
Standard Models include 48 Mono inputs + 8 Stereo			
CV20-64	104.9 x 34.6 x 1.4	225 lbs.	5
Standard Models include 56 Mono inputs + 8 Stereo			



**MONO
CHANNEL**



**STEREO
MIC/LINE
CHANNEL**



MASTER SECTION



**STEREO
DUAL-LINE
CHANNEL**





Breakthrough Console Performance



▶ **HP™ CONSOLES**

The new HP Series consoles bring Crest Audio performance, new features and smart design to worship, small theater and related markets. With state-of-the-art analog electronics and innovative features such as integral automatic mixing, stereo input channels, stereo returns, a unique ambient mic input and a robust eight-group design, the HP Series is a great choice for any fixed installation. A powerful aux configuration with 10 aux busses, versatile connectivity and a unique “fader flip” feature provide the flexible routing required in demanding system designs. Complete with a talkback system and up to eight “smart” mute groups, modular construction, integral power supply and a robust chassis design, the HP Series is the new standard and the latest innovation from a legendary console designer.

HP W™ SERIES

20, 28, 36, 44, OR 52 MONO INPUT CHANNELS

- 20, 28, 36, 44 or 52 standard Mono input channels (optional eight channels with gain sharing Automix®* + 4 stereo channels)
- XLR and 1/4" connectors on all inputs
- Two stereo line returns on 60 mm faders with assignment and two aux sends
- One stereo ambient mic input
- Eight analog subgroups
- 10 auxes
- XLR connectors on aux outputs
- Left, Right & Mono outputs
- II X 2 matrix
- Two alternate outputs that can be sourced from L, R, M or Matrix outputs with full dynamics
- "Fader flip" function on aux outputs places aux masters on 100 mm faders in place of groups & L/R
- 100 mm high-quality faders on mono inputs, auto mix inputs, stereo inputs, groups and separate left, right and mono outputs
- Eight microprocessor-controlled mute groups and scenes
- Full talkback and monitor systems
- Modular input blocks of eight channels for ease of service
- Internal, universal power supply with DC connector for external, redundant supply

*Automix modules available with 20 and 52 input channel frames as custom configurations

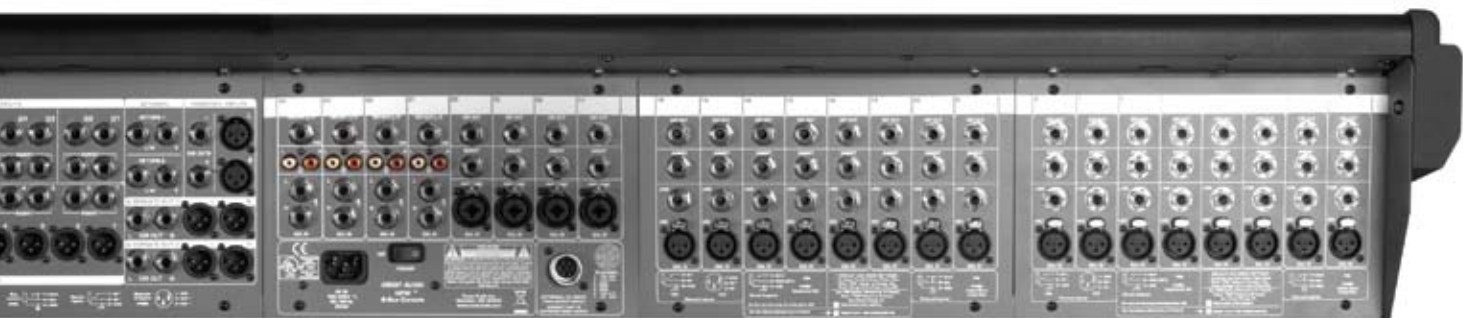


Frequency Response:	20Hz – 20kHz +0/-0.0dB (Ref 1kHz) any input to any output
THD + Noise:	Input to Group or Main Output (Left/Right/Mono) < .01% THD 20Hz to 20kHz at 15dBu out
Noise:	(22Hz to 20kHz) Mic EIN: < -127 dBu Bus Noise: Better than -80dBu (32 chan routed) Residual output noise: < -90dBu
Crosstalk:	Channel Mute: > 90dB Channel Routing: > 85dB Channel fader attenuation: > 85dB Aux Send attenuation: > 80dB
Phase Shift:	< +/- 30 degrees 20Hz to 20kHz mic into main out
XLR Inputs:	2.5kΩ ohms Balanced Max Voltage Gain: Mic-In to Group to Left/Right Balanced Out = 90dB
Main Outputs:	L/R/Mono/Aux: 100Ω Balanced Male XLR Max Output = +28dBu Group: 50Ω Gnd-Compensated/Impedance BAL TRS Max Output = +22dBu
Insert Points:	TRS Jack Tip = Send, Ring = Return Channel Insert level = +4dBu Bus Insert Levels = -2dBu
Power Supply:	Internal: 100-240 VAC, 50/60 Hz via IEC Mains Connector External: 7-Pin DC connector provided for redundant PSU
Dimensions/Weight:	
HP-W 52	Inches: 86 x 28 x 9 MM: 2171 x 702 x 229 145 lbs 66 kG
HP-W 44	Inches: 76 x 28 x 9 MM: 922 x 702 x 229 25 lbs 57 kG
HP-W 36	Inches: 66 x 28 x 9 MM: 1673 x 702 x 229 110 lbs 50 kG
HP-W 28	Inches: 56.5 x 28 x 9 MM: 424 x 702 x 229 90 lbs 41kG
HP-W 20	Inches: 46.5 x 28 x 9 MM: 1175 x 702 x 229 72 lbs 33 kG
	Dimensions are Width x Depth (Front-to-Back) x Height, rounded up the nearest 1/2 inch or nearest MM





**OPTIONAL ON ALL HP W
CONSOLES ARE 8 MONO
CHANNELS OF AUTOMIX™ FOR
“HANDS-OFF” SPOKEN WORD
MIXING APPLICATIONS. WITH A
PUSH OF A BUTTON TO ACTIVATE
THE AUTOMIX FEATURE, THE
HP W WILL AUTOMATICALLY
REDUCE THE GAIN ON MICROPHONES
NOT BEING USED, WHICH NEARLY
ELIMINATES FEEDBACK.**



HP-8™ SERIES

24, 32, 40, 48 OR 56 MONO INPUT CHANNELS

- 24, 32, 40, 48 or 56 Mono input channels
- 8 analog subgroups
- 10 auxes
- Left, Right & Mono outputs
- Five stereo line inputs on 60 mm faders with EQ, assignment and two aux sends
- Mono input channels have individual 48V phantom power, pad, polarity reverse and low-cut filter switches, with a four-band equalizer featuring high and low shelving and two overlapping bands of swept mid frequencies
- 10 independent aux sends on the mono input channels allows the HP-Eight to be used as a monitor mixer
- “Fader flip” function on aux outputs places aux masters on 100 mm faders in place of groups & L/R
- 100 mm high-quality faders on mono inputs, groups and separate left, right and mono outputs
- Four-channel scene mute system with master switches and LED indicators
- Full talkback and monitor systems
- Modular input blocks of eight channels for ease of service
- Internal, universal power supply with DC connector for external, redundant supply
- Two-channel matrix system fed pre or post from all eight subgroups and the three main (L/R/Mono) mix busses



Frequency response:	20Hz - 20kHz +0/-0.5dB (Ref 1kHz) Any input to any output
THD + Noise:	Input to Group or main output (Left/Right/Mono) < 0.01% THD 20Hz to 20kHz at +15dBu out
Noise:	(22Hz to 20kHz) Mic EIN: < -127 dBu Bus Noise: Better than -80dBu (32 Chan Routed) Residual Output Noise
Crosstalk:	Channel Mute > 90dB Channel Routing > 85dB Channel fader attenuation > 85dB Aux Send attenuation > 80dB
Phase Shift:	< +/-30 degrees 20kHz mic in to main out
XLR Inputs:	2k5 ohms Balanced Max Voltage Gain: mic-In to Group to left/right balanced out = 90dB
Main Outputs:	L/R/Mono: 100Ω balanced main XLR Max output = +28dBu Aux/Group: 50Ω gnd-Compensated/Impedance Bal TRS Max Out = +22dBu
Insert Points:	TRS Jack Tip = Send, Ring = Return Channel Insert Level = +4dBu Bus Insert Levels = -2dBu
Power Supply:	Internal: 100-240 VAC, 50/60 Hz via IEC Mains connector External: 7-Pin DC Connector provided for redundant PSU
Dimensions/Weight:	
HP-EIGHT/56	Inches: 86 x 28 x 9 MM: 2171 x 702 x 229 145 lbs 66 kG
HP-EIGHT/48	Inches: 76 x 28 x 9 MM: 922 x 702 x 229 25 lbs 57 kG
HP-EIGHT/40	Inches: 66 x 28 x 9 MM: 1673 x 702 x 229 110 lbs 50 kG
HP-EIGHT/32	Inches: 56.5 x 28 x 9 MM: 424 x 702 x 229 90 lbs 41kG
HP-EIGHT/24	Inches: 46.5 x 28 x 9 MM: 1175 x 702 x 229 72 lbs 33 kG
	Dimensions are Width x Depth (Front-to-Back) x Height, rounded up the nearest 1/2 inch or nearest MM





WHERE EXTREME FLEXIBILITY AS WELL AS EXACTING AUDIO PERFORMANCE IS REQUIRED, THE **HP-EIGHT** DELIVERS THOSE ATTRIBUTES AND MORE TO THE BUDGET-CONSCIOUS INSTALLER AND END USER.



MONO
CHANNEL

MASTER SECTION



The Difference is Clear



X-SERIES™ CONSOLES

The Crest Audio® X-Series™ is regarded as the most sonically accurate and operationally quiet, professional-level, rack-mountable console range in the audio industry. With high-end performance and rock-solid construction, the X-Series features a modular design and an extensive feature set suitable for any application. Available in main and monitor configurations, X-Series models feature up to 14 mono and four stereo inputs. Long-throw faders, versatile four-band semi-parametric EQ, channel inserts and high-quality microphone preamplifiers are standard. The X 18R and X 20R consoles have six configurable aux buses and three main buses that provide plenty of front-of-house mixing configurations, while the X 18RM and X 20RM have up to 12 mono or six stereo mix buses for floor or in-ear monitoring.



X-SERIES CONSOLES

X 18R™ / X 20R™ / X 18RM™ / X 20RM™

X 18R and X 20R

- 14 mono inputs + 2 stereo inputs (X 18R) or 12 mono inputs + 4 stereo inputs (X 20R), all with mic preamps and individual 48V phantom power switches
- 100 mm faders on all inputs and Left, Right and Mono (center) outputs; 60 mm faders on the four subgroups
- Four-band EQ on all inputs
- 18 dB per octave high-pass filters on mono input channels
- Insert on all inputs, subgroups, aux outs and L, R & M outputs
- Six aux buses, selectable pre or post fader in pairs
- Auxes 1 & 2 are configured as Level/Pan for stereo operation
- XLR L, R & Mono outputs switchable between line and mic level
- ¼" TRS and RCA connectors provided on alt output, monitor output and tape input

AVAILABLE IN MAIN AND MONITOR CONFIGURATIONS, X-SERIES CONSOLES ARE AVAILABLE WITH UP TO 12 MONO AND UP TO FOUR STEREO INPUTS. LONG THROW FADERS, VERSATILE FOUR-BAND SEMI-PARAMETRIC EQ, CHANNEL INSERTS AND HIGH-QUALITY MICROPHONE PREAMPLIFIERS ARE STANDARD.



MONO CHANNEL

STEREO CHANNEL

MASTER SECTION

X 18R and X 20R

X 18R™ and X 20R™

Frequency Response:

+0/-1dB 20 Hz-20kHz ref 1 kHz
(Any input to any output)

THD:

Any output < 0.01% THD 20Hz-20kHz
@ +15dBu out

Noise:

Mic in < -128dBu 20 Hz to 20kHz
150 ohm source, 60 dB gain

Crosstalk:

Channel mute > 80dB channel routing
> 80dB channel fader attenuation > 90dB
aux send attenuation

Phase Shift:

< +/-30 degrees, 20 Hz to 20kHz -
mic-in to main out

Mic-in:

XLR 4k ohm balanced max voltage
gain to main outs = 98dB

Line-in XLR and TRS:

> 10k Ohms Balanced

RCA tape input:

> 10k Ohms Unbalanced

Bus inputs:

> 10k Ohms Balanced

L/R/M outputs:

XLR 100 ohms balanced
(Switchable between line or mic level)

Group/direct out:

TRS 50 ohms ground compensation

Aux outputs:

XLR & TRS 50 ohms gnd compensated

Headphones:

1/4" TRS to drive > 8 ohm phones

Dimensions (H x W x D):

17.5" x 19" x 4.5" in depth behind panel

Internal Power Supply:

100 -240 VAC, 50/60 Hz

Weight:

30.5 lbs.



X 18R and X 20R Rear Panel

X I8RM and X 20RM

- 14 mono inputs + 2 stereo inputs (X I8RM) or 12 mono inputs + 4 stereo inputs (X 20RM), all with mic preamps and individual 48V phantom power switches
- Built in splitter system on all 20 XLR mic/line inputs with ground lift switches on each input channel
- 12 monitor buses that can be configured mono or stereo in pairs
- Additional “stereo common input” for sending click or reference tracks to artists on all 12 buses
- Four-band mid sweep EQ for mono and stereo input channels
- 18 dB per octave high-pass filter on mono input channels
- Fully balanced XLR outputs and XLR balanced bus inputs
- Solo link system compatible with other X-Series rack mixers
- 10-space rackmount configuration

WITH SIX STEREO MIXES IN A COMPACT 10RU PACKAGE, THE X I8RM AND X 20RM ARE THE PERFECT RACK CONSOLE FOR IN-EAR MONITORING.



MONO CHANNEL STEREO CHANNEL MASTER SECTION

X I8 RM and X 20RM

X I8RM™ and X 20RM™

Frequency Response:

+0/-1dB 20 Hz-20kHz ref 1 kHz
(Any input to any output)

THD:

Any output <0.01% THD 20Hz-20kHz
@ +15dBu out

Mic E.I.N.:

< -128dBu 20Hz to 20kHz 150 ohm
source, 60dB gain

Crosstalk:

Channel mute >80dB, Mix send
attenuation >80dB

Phase Shift:

< +/-30 degrees, 20 Hz to 20kHz -
mic-in to main out

Mic-in:

F-XLR 4k ohm balanced max voltage
gain to main outs = 98dB

Split Out:

M-XLR Passive 'Y' splitter

Line-in:

TRS > 10k ohms balanced

Bus inputs:

XLR > 10k ohms balanced

Mix outputs:

XLR 100 ohms balanced

Direct Out:

1/4" TRS 50 ohms ground compensated

Headphones:

1/4" TRS to drive > eight-ohm phones

Dimensions (H x W x D):

17.5" x 19" x 4.5" in depth behind panel

Internal Power Supply:

100 -240 VAC, 50/60 Hz

Weight:

30 lbs.



X I8RM and X 20RM Rear Panel



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