

Crown Commercial Audio Amplifiers



These high-value amplifiers provide all the necessary features for commercial audio applications, including schools, hospitals, restaurants, retail stores, factories, boardrooms, and more. Easily expandable, they can be grouped to add speaker zones as needed. All models provide 4Ω and 70V/100V outputs. Inputs via Phoenix-type connectors, speaker outputs via screw terminals.



Model #	Inv. #	Channel Count	Power/Ch. 8Ω/4Ω/2Ω	Bridged 8Ω/4Ω	Input Connectors	Output Connectors	On-Board DSP	Weight (lbs)	Rackspace	Topology	List Price	MAP Price	See Icon legend in the footer of page.
180A	38800	1	80W @ 4Ω/70V		P	ST		21	2		417.00	339.00	Ω X
280A	37862	2	80W @ 4Ω/70V		P	ST		30.3	2		595.00	459.00	Ω X
1160A	36463	1	160W @ 4Ω/70V		P	ST		30.3	2		580.00	449.00	Ω X
CD1000	40060	2	275/500/700W RMS	1.4kW@4Ω, 500W@70V	P, USB	BP, DSP	22	2			1013.00	1013.00	Ω X
CD2000	40573	2	475/800/1000W RMS	2.0kW@4Ω, 800W@70V	P, USB	BP, DSP	22	2			1373.00	1373.00	Ω X
CD4000	48495	2	650/1200/1600W RMS	3.2kW@4Ω, 1.6kW@70V	P, USB	BP, DSP	22	2			1818.00	1818.00	Ω X

CDi Install Amplifiers



The CDi series is designed for installed applications. An extremely efficient universal power supply draws under 12A while producing up to 3200W. Onboard EQ's, output limiters and crossovers eliminate the need for additional equipment and setup costs. Each model supports 70V/140V outputs along with low impedance loads.

CTs Series

Install Amplifiers



Crown's CTs amps are designed for ultimate flexibility in the fixed-install world. All models feature Phoenix-style in's and barrier strip out's. They support 16/8/4/2Ω loads, plus 70/140V distribution. The 2000, 3000, 4200, and 8200 feature direct 100V outputs. USP/CN models include PIP DSP modules for remote System Architect™ / CabralNet™ control. VCA models accept remote VCA volume control. Other features include inrush limiting, 35Hz/70Hz HP filters, and independent impedance selectors.



Model #	Inv. #	Channel Count	Power/Ch. 8Ω/4Ω/2Ω	Bridged 8Ω/4Ω	Input Connectors	Output Connectors	On-Board DSP	Weight (lbs)	Rackspace	Topology	List Price	MAP Price	See Icon legend in the footer of page.
CTS600	33005	2	300/300/150,300@70V	600/300,600@140V	P	ST		22.8	2	Class AB + B	1248.00	1248.00	Ω X
CTS1200	29673	2	600/600/250,600@70V	1200/500,1200@140V	P	ST		23.4	2	Class AB + B	1921.00	1921.00	Ω X
CTS2000	36088	2	1000/1000/1000,1000@70V	2000/2000,2000@140V	P	ST		27	2	Class I	2431.00	2431.00	Ω X
CTS3000	36076	2	1250/1500/1500,1500@70V	3000/2000,3000@140V	P	ST		27.7	2	Class I	3456.00	3456.00	Ω X
CTS4200A	35103	4	190/215,220@70V	2430,220@100V	P	ST		26	2	Class AB + B	1807.00	1807.00	Ω X
CTS4200AVCA	51357	4	190/215,220@70V	2430,220@100V	P	ST		26	2	Class AB + B	2045.00	2045.00	Ω X
CTS4200AUSPCN	51356	4	190/215,220@70V	2430,220@100V	N,P	ST, DSP	26	2	Class AB + B	3642.00	3642.00		
CTS8200A	38738	8	155/175,185@70V	4630,185@70V	P	ST		36	3	Class AB + B	3512.00	3512.00	Ω X
CTS8200VCA	49499	8	155/175,185@70V	4630,185@70V	P	ST		36	3	Class AB + B	3750.00	3750.00	Ω X
CTS8200USP/CN	38878	8	155/175,185@70V	4630,185@70V	N,P	ST, DSP	36	3	Class AB + B	5321.00	5321.00		
DSi 1000	51359	2	275/475/700	950/1400	HD15,P	ST, DSP	19	2			833.00	833.00	Ω
DSi 2000	51360	2	475/800/1000	1600/2000	HD15,P	ST, DSP	19	2			1183.00	1183.00	Ω
DSi 4000	51361	2	650/1200/1450	2400/3000	HD15,P	ST, DSP	19	2			1728.00	1728.00	Ω

Input/ Output Connector Abbreviations

The amp connector specs appearing in the Install Amplifiers and Touring/Stage Amplifier charts have been abbreviated for space considerations. Below is an explanation of these abbreviations.

- Q=1/4"
- X=XLR
- P=Euro/Phoenix Style
- A=AES Digital
- N=Ethernet/RJ45
- ST=Screw Terminal/Barrier Strip
- BP=Binding Post
- ST=Screw Terminal/Barrier Strip
- NL2=Twistlock
- NL4=Twistlock
- NL8=Twistlock
- HD15=15 Pin

Crown Amplifiers show your clients that you are serious about sonic quality. TMP Pro is proud to be a Preferred Distributor of all Crown products including the amplifiers listed in this catalog. Our sales professionals have top-notch expertise in these unmatched products and are sure to provide you with a one-stop audio solution.



ISA Installation Amplifiers



The ISA Series is a line of feature-packed, cost-effective amplifiers designed for permanent installation. Each model features rear panel gain knobs, XLR/Euro input connectors, covered barrier strip outputs, clip limiters, high pass filters, and an HD15 DataPort for network connectivity. Ti models can drive 70V, 8Ω, and 4Ω systems simultaneously off one channel, expanding design options without expanding cost.

Model #	Inv. #	Channel Count	Power/Ch. 8Ω/4Ω/2Ω	Bridged 8Ω/4Ω	Input Connectors	Output Connectors	On-Board DSP	Weight (lbs)	Rackspace	Topology	List Price	MAP Price	See Icon legend in the footer of page.
ISA280	29384	2	185/280/430	600/830	PX	ST		36	3	Class AB	577.00	460.00	
ISA300Ti	30687	2	185/280/430,300@70V	600/830,600@140V	PX	ST		44	3	Class AB	770.00	615.00	Ω X
ISA450	34255	2	260/425/700	900/1400	PX	ST		42	3	Class AB	897.00	555.00	
ISA500Ti	29781	2	260/425/700,500@70V	900/1400,1000@140V	PX	ST		49	3	Class AB	885.00	710.00	Ω X
ISA750	34256	2	450/650/1200	1500/2400	PX	ST		53	3	Class H	948.00	758.40	Ω X
ISA800Ti	37652	2	450/650/1200,800@70V	1500/2400,1600@140V	PX	ST		57	3	Class H	1155.00	925.00	Ω X
ISA1350	40716	2	800/1300/2000,1500@70V	2800/4000	PX	ST		68	3	Class H	1790.00	1432.00	Ω X
CMX300V	61948	2	185/280/430	530/830,600@140V	Q,STX	NL4,ST		35	2	Class AB	550.00	550.00	Ω X
CMX500V	61950	2	260/400/700	900/1400,1200@140V	Q,STX	NL4,ST		40	2	Class AB	695.00	695.00	Ω X
CMX800V	61951	2	450/650/1200,400@70V	1300/2400,2000@140V	Q,STX	NL4,ST		44.5	2	Class H	950.00	950.00	Ω X
CMX2000V	61952	2	1050/1600/2500,2500@70V	3200/5000,5000@140V	Q,STX	NL4,ST		75	3	Class H	1999.00	1999.00	Ω X

CX Series Install Amplifiers



CX Series amplifiers are based on PowerLight technology, but designed for installation. 2-channel models offer XLR and Euro-style inputs. All other models offer Euro-style inputs exclusively. Common features include Active Inrush Limiting, clip limiters, high pass filters, and HD15 DataPorts for networking options. Channels can be paired for bridged operation. Optional security covers are available to prevent accidental or unauthorized gain changes.

Model #	Inv. #	Channel Count	Power/Ch. 8Ω/4Ω/2Ω	Bridged 8Ω/4Ω	Input Connectors	Output Connectors	On-Board DSP	Weight (lbs)	Rackspace	Topology	List Price	MAP Price	See Icon legend in the footer of page.
CX302	29346	2	200/325/600	700/1200	PX	ST		21	2	Class H	1054.00	1054.00	
CX302V	17846	2	200@70V	400@140V	PX	ST		21	2	Class H	1054.00	1054.00	X
CX502	28477	2	300/500/800	1100/1600	PX	ST		21	2	Class H	1387.00	1387.00	
CX602V	17845	2	550,400@70V	800@140V	PX	ST		21	2	Class H	1720.00	1720.00	X
CX702	29347	2	425/700/1200	1500/2400	PX	ST		21	2	Class H	1720.00	1720.00	
CX902	28960	2	550/900/1500,400@70V	2000/3000,800@140V	PX	ST		21	2	Class H	2053.00	2053.00	
CX1102	29592	2	700/1100/1700,800@70V	2200/3400,1600@140V	PX	ST		21	2	Class H	2275.00	2275.00	
CX1202V	17813	2	700/1100,800@70V	1400@140V	PX	ST		21	2	Class H	2053.00	2053.00	X
CX204V	17844	4	200@70V	2400@140V	P	ST		21	2	Class AB + B	1555.00	1555.00	X
CX254	34787	4	170/250/450	2650/900	P	ST		21	2	Class AB + B	1555.00	1555.00	
CX404	28478	4	250/400	2400	P	ST		21	2	Class AB + B	1555.00	1555.00	
CX108V	36169	8	100/140	4180/260	P	P		21	2	Class AB + B	1872.00	1872.00	X
CX168	35256	8	100@70V	4200@140V	P	P		21	2	Class AB + B	1872.00	1872.00	X
PA601	42736	1	60/60,60@70V		PKCA	ST		14	2		353.95	284.50	X

Atlas Pole Mount Amplifiers



The Atlas PA702 and PA1001G feature a sealed hole in the chassis design, accepting standard projector mounting poles, allowing them to be mounted above projectors. An accessory outlet with AC current sense wakes the amplifiers from stand-by mode when the projector is powered on. Other features include a separate audio sense turn-on, balanced Phoenix/unbalanced RCA inputs connections, front panel status LEDs, and recessed tone and level controls.

Model #	Inv. #	Channel Count	Power/Ch. 8Ω/4Ω	Bridged 8Ω/4Ω	Input Connectors	Output Connectors	On-Board DSP	Weight (lbs)	Rackspace	Topology	List Price	MAP Price	See Icon legend in the footer of page.
PA702	58266	2	70/50		PKCA	P		5.5	0.5	Class AB	332.95	267.50	
PA702-W	70085	2	70/50		PKCA	P		5.5	0.5	Class AB	332.95	267.50	
PA1001G	58269	1	100@70V		PKCA	P		4.9	0.5	Class AB	385.95	293.50	X
CP400	54585	2	160/240/270,200@70V	500/600,400@140V	STX	ST		47	3		714.95	572.50	X
CP700	49706	2	300/400/550,350@70V	850/1100,700@140V	STX	ST		57	3		864.95	692.50	X

CMX Series Power Amplifiers



Rugged CMX Series amplifiers are built to meet the needs of system integrators. Based upon the proven RMX Series, the CMX feature sets are designed for performance halls, houses of worship, sports clubs, gyms, gymsnasiums, pubs, and FGM/BGM systems. The CMX300V and CMX500V must be configured for bridged-mono operation in order to directly drive high-impedance systems while the CMX800V and 2000V may be used in either stereo or mono mode.

PA601 Mono Power Amplifier



The Atlas PA601 power amplifier is the ideal choice for applications that require distributed background music, but do not require music-on-hold or mixing functionality. This simple design features one balanced/unbalanced input, one unbalanced line output, dual voltage operation (110/220VAC), and a loudness contour switch boosting 100Hz and 10kHz frequencies by 4dBu. Input connections are made via Euro-block or RCA jacks. Speaker output is made via screw terminals.

CP Series High Performance Commercial Amplifiers



The CP400 and CP700 feature esoteric-grade toroidal power supplies and output transformers, extended frequency response, and true transformer output isolation. Two independent channels ensure maximum channel separation and ultra low distortion figures. 25/70/100V and 2, 4, 8 Ohm performance. Ideal for large distributed constant volume systems or high SPL sound reinforcement applications.

INSTALL AMPLIFIERS

Ashly



ASHLY SRA Series 2-Channel Amplifiers

Convection-cooled SRA series amplifiers offer extremely low operating noise, making them ideal for reference or monitoring applications. Features include extensive protection circuitry, status LED's, stereo headphone output, Euro-block inputs, screw terminal outputs, HP filters, remote power on/off, adjustable power-up delay, and more.

Model #	Inv. #	Channel Count	Power/Ch. 8Ω/4Ω	Bridged 8Ω	Input Connectors	Output Connectors	On-Board DSP	Weight (lbs)	Rackspace	Topology	List Price	MAP Price	See Icon legend in the footer of page.
SRA-2075	40999	2	40/75	150	P	ST		9	1	Class D	930.00	505.00	
SRA-2150	40858	2	80/150, 150@25V	300	P	ST		9	1	Class D	740.00	590.00	
TRA-2075	50840	2	40/75, 75@70V		P	P		19.5	2	Class D	1070.00	855.00	Ω 70V
TRA-2150	52692	2	80/150, 150@70V		P	P		19.5	2	Class D	1160.00	930.00	Ω 70V



ASHLY TRA Series 2-Channel Install Amplifiers

The TRA series shares many of the design features of the SRA series, but is intended for use in permanent installations with moderate power requirements. Front panels feature six-step LED meters, while all audio controls are rear-mounted. Constant voltage and 4Ω outputs are made via screw terminals. Inputs via Euro-block connections.



ASHLY KLR Series High Performance Amplifiers

Ashly's KLR-Series amplifiers are high-efficiency, lightweight, two-channel, high power amplifiers incorporating the latest technologies, delivering quality and value for professional quality performance at an extremely affordable price. Features include individual input attenuators, signal, clip and protect LEDs, air inflow vents with removable dust filters, 3-position gain switch (1V, 32dB or 26dB sensitivity), 3-position HPF switch (30Hz, 50Hz or off), on/off limiter switch and more.

Model #	Inv. #	Channel Count	Power/Ch. 8Ω/4Ω/2Ω	Bridged 8Ω	Input Connectors	Output Connectors	On-Board DSP	Weight (lbs)	Rackspace	Topology	List Price	MAP Price	See Icon legend in the footer of page.
KLR-2000	80313	2	350/600/1000	2000	P,Q,X	NL4		23.6	2	Class AB	720.00	599.00	
KLR-3200	80314	2	650/1100/1600	3200	P,Q,X	NL4		24	2	Class AB	900.00	799.00	
KLR-4000	80315	2	850/1400/2000	4000	P,Q,X	NL4		26.4	2	Class H	1440.00	1299.00	
ne8250	52987	8	150/250	64500	N,P	P	Optional	21	2	Class D	2150.00	1720.00	
ne8250.10	52986	8	250@100V		N,P	P	Optional	21	2	Class D	2150.00	1720.00	
ne8250.25	52984	8	250@25V		N,P	P	Optional	21	2	Class D	2150.00	1720.00	
ne8250.70	52985	8	250@70V		N,P	P	Optional	21	2	Class D	2150.00	1720.00	



ASHLY Pêma Powered Processors

The Protea Equipped Media Amplifier is a unique powered processor, merging Ashly's powerful, open-architecture DSP functionality with their renowned amplifier performance inside a two-rack space unit. DSP algorithms include ambient noise compensation, advanced automatic feedback suppression, automatic mixer, and a full complement of filters, EQ's, and delays. Each variant has eight balanced input channels that are software selectable for mic or line levels. Additionally there are eight pairs of summed-mono RCA connectors optimized for consumer line level devices. Eight preamp auxiliary outputs allow integrators to route signals from the matrix mixer to anywhere the system requires. Both CobraNet and EtherSound digital I/Os are fully supported.

Model #	Inv. #	Channel Count	Power/Ch. 8Ω/4Ω	Bridged 8Ω	Input Connectors	Output Connectors	On-Board DSP	Weight (lbs)	Rackspace	Topology	List Price	MAP Price	See Icon legend in the footer of page.
pema 4125	80316	4	75/125	250	B,RCA,N,P	B,P	DSP	21	2		3330.00	2665.00	Ω 70V
pema 4125.70	80317	4	125@70V	250@140V	B,RCA,N,P	B,P	DSP	21	2		3330.00	2665.00	Ω 70V
pema 4250	80318	4	150/250	500	B,RCA,N,P	B,P	DSP	21	2		4140.00	3320.00	Ω 70V
pema 4250.70	80319	4	500@70	500@140V	B,RCA,N,P	B,P	DSP	21	2		4140.00	3320.00	Ω 70V
pema 8125	80320	8	75/125	250	B,RCA,N,P	B,P	DSP	21	2		4140.00	3320.00	Ω 70V
pema 8125.70	80321	8	125@70V	250@140V	B,RCA,N,P	B,P	DSP	21	2		4140.00	3320.00	Ω 70V
pema 8250	80322	8	150/250	500	B,RCA,N,P	B,P	DSP	21	2		4950.00	3960.00	Ω 70V
pema 8250.70	75419	8	500@70	500@140V	B,RCA,N,P	B,P	DSP	21	2		4950.00	3960.00	Ω 70V

Take A Good Look at This:



See the Potential for a HUGE Difference
In Your Next Audio Installation?

If You Can...

...You're **pêma** Material.

All the audio you need to run a restaurant, courtroom, school, house of worship – you name it – neatly delivered in one box.

Until now, you needed a rack full of equipment to address the audio needs of just about any public facility – restaurants, court rooms, retail stores, schools and universities, liturgical Churches... With **pêma**, though, it's as simple as installing a two rack-space box. **pêma** handles it all. Whatever you need, **pêma**'s got it. And it's got it for a LOT less than it's costing you now.

There's never been anything like **pêma** for ease of install and for reliability after the sale. Just think of the time you'll save on installs and service calls. Call Ashly or visit us on the web to learn how **pêma** can change your life.



- 4 or 8-channel amplifier - 125 or 250 watts per channel
- 8-in x 8-out sophisticated matrix mixing
- 8 built-in mic pre's
- Gain sharing automatic microphone mixing (Automixer)
- Automatic feedback suppression
- Ambient noise compensation
- Dedicated telephone/PBX input
- Dual RCA and balanced euroblock inputs
- Post DSP AUX line level outputs
- Stereo summed to mono
- Event scheduling
- Adjustable HP/LP filters
- Built-in pink/white noise & sine wave generator
- Extensive signal processing

simplifyintegration.

ASHLY

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LAB.GRUPPEN

C Series Four-Channel Amplifiers

C Series amplifiers couple a space saving power-to-size ratio and high channel density to superb sound quality and continuous reliability. All models include facilities for the individual adjustment of maximum voltage peak output and gain per channel, as well as bridge-mode operation selectable per channel pair. Advanced NomadLink® networking with remote monitoring and control facilities comes as standard.

Model #	Inv. #	Channel Count	Power/Ch. 8Ω/4Ω/2Ω	Bridged 8Ω/4Ω/2Ω	Input Connectors	Output Connectors	On-Board DSP	Weight (lbs)	Rackspace	Topology	List Price	MAP Price	See Icon legend in the footer of page.
C 5-4X	61934	4	125/125/60/125@70V	24250/125,250@140V	N,P	ST	18.75	2	Class D		1595.00	N/A	Ω X TM
C 10-4X	61932	4	250/250,250@70V	24500/250,500W@140V	N,P	ST	18.75	2	Class D		1795.00	N/A	Ω X TM
C 16-4	61925	4	400/300,400@70V	24600,300@140V	N,P	ST	26.4	2	Class TB		2795.00	N/A	Ω X TM
C 28-4	61933	4	700/700/200,700@70V	24700/600,1400@140V	N,P	ST	26.4	2	Class TB		3195.00	N/A	Ω X TM
C 48-4	52151	4	1000/1200/600,900@70V	242400/1200,1800@140V	N,P	ST	26.4	2	Class TB		3845.00	N/A	Ω X TM
C 68-4	59527	4	1200/1700/1200,1600@70V	243400/2400,3200@140V	N,P	ST	26.4	2	Class TB		4895.00	N/A	Ω X TM
C 88-4	61922	4	1250/2100/2200,2200@70V	244200/4600	N,P	ST	26.4	2	Class TB		5595.00	N/A	Ω X TM
C 10-8X	61935	8	125/125/60/125@70V	44250/125,250@140V	N,P	ST	18.75	2	Class D		2295.00	N/A	Ω X TM
C 20-8X	59526	8	250/250/150,250@70V	44500/250,500W@140V	N,P	ST	18.75	2	Class D		2995.00	N/A	Ω X TM



LAB.GRUPPEN

C Series Eight-Channel Amplifiers

C Series amplifiers are capable of adapting to a wide variety of demanding load conditions. Each channel has an individually configurable Voltage Peak Limiter (VPL™), which allows the output to be optimized for any loudspeaker load – whether a single large subwoofer or a series of small 70 V loudspeakers. VPL works in combination with adjustable input gain to achieve maximum headroom regardless of input levels or output impedances. A 35 Hz high pass filter may be inserted in each 4-channel section.



YAMAHA

XP Series Power Amplifiers

XP series amplifiers feature various input/output terminals, including XLR and Euro-block inputs, and Speakon® and 5-way binding post outputs. The series is optimized for medium-scale facilities including churches, halls, banquet rooms, conference rooms and restaurants, and is a perfect match for Yamaha's Installation Series loudspeakers. The XP7000 is compatible with 70V lines.

Model #	Inv. #	Channel Count	Power/Ch. 8Ω/4Ω/2Ω	Bridged 8Ω/4Ω/2Ω	Input Connectors	Output Connectors	On-Board DSP	Weight (lbs)	Rackspace	Topology	List Price	MAP Price	See Icon legend in the footer of page.
XP1000	58255	2	135/165/240	330/500	PX	BP/ML4		26.5	2		699.00	N/A	Ω X TM
XP2500	58253	2	275/390/650	780/1300	PX	BP/ML4		30.9	2		949.00	N/A	Ω X TM
XP3500	58250	2	390/590/1000	1180/2000	PX	BP/ML4		33.1	2		1099.00	N/A	Ω X TM
XP5000	54927	2	525/750/1300	1500/2600	PX	BP/ML4		30.9	2		1249.00	N/A	Ω X TM
XP7000	58242	2	750/1100/1600,625@70V	2200/5200	PX	BP/ML4		30.9	2		1499.00	N/A	Ω X TM
XM4180	49286	4	210/250,300@70V	500	PX	BP		22	2		1399.00	N/A	Ω X TM
XM4080	58257	4	90/120	240	PX	BP		22	2		699.00	N/A	Ω X TM



YAMAHA

IPA8200 8-Channel Power Amplifier

The IPA8200 is a Class D installation-dedicated 8-channel power amplifier. It is ideal for bars, restaurants, retail stores, meeting rooms, auditoriums, and more. Features include Euro-block inputs, barrier strip outputs, Stereo/Parallel/Bridged operation, 4 internal power supplies (one for each pair), +26dB/+32dB/+4dB selectable gain, 20Hz/55Hz selectable high pass filter and more.

Model #	Inv. #	Channel Count	Power/Ch. 8Ω/4Ω/2Ω	Bridged 8Ω/4Ω/2Ω	Input Connectors	Output Connectors	On-Board DSP	Weight (lbs)	Rackspace	Topology	List Price	MAP Price	See Icon legend in the footer of page.
IPA8200	58259	8	100/200	4600	P	ST		23.2	2	Class D	2199.00	N/A	Ω X TM
Servo 120a	17072	2	55,80	150	Q,RCA	BP		15.4	1		249.99	199.00	X TM
Servo 200	38057	2	66/100	200	Q,RCA	BP,Q		15	2		249.99	199.00	X TM
Servo 201a	53019	2	65/100	200	Q,RCA	BP		14.5	1		309.99	249.00	X TM
Servo 300	38482	2	100/150	300	Q	BP		20	2		349.99	279.00	X TM
Servo 600	38138	2	225/300	600	Q	BP		24	1		409.99	329.00	X TM



SAMSON

Servo Install/PA Amplifiers

Servo series amplifiers produce low-distortion power over a wide 10Hz-55kHz range, making them ideal for applications where clean, full range audio is needed. They feature 10-segment/3 color LED level meters, 5-way binding post and 1/4" outputs, 1/4" and RCA inputs, and 4-stage power protection circuitry.



TOA

9000 Series 70V Amplifiers

Toa's 2-channel 9000 series amplifiers will drive two 70V distributed speaker systems in commercial applications such as office buildings, warehouse floors, retail spaces, and banquet halls. They feature electronically balanced terminal block inputs, terminal strip outputs, delayed power-up, LED indicators, and will provide trouble-free performance year after year.

Model #	Inv. #	Channel Count	Power/Ch. 8Ω/4Ω/2Ω	Bridged 8Ω/4Ω/2Ω	Input Connectors	Output Connectors	On-Board DSP	Weight (lbs)	Rackspace	Topology	List Price	MAP Price	See Icon legend in the footer of page.
P-9060DH CU	53238	2	60@70V		P	ST		18.08	2		848.00	N/A	Ω X TM
P-9120DH CU	53239	2	120@70V		P	ST		22.05	2		1126.00	N/A	Ω X TM
DA-250F CU	53022	4	170/250	26500	P	ST		14.6	1	Class D	1950.00	N/A	X TM
DA-250FH CU	40372	4	250@70V	26500@140V	P	ST		14.6	1	Class D	1950.00	N/A	X TM
DA-250D CU	58642	2	170/250		P	ST		11.02	1	Class D	1408.00	N/A	X TM
DA-250DH CU	58643	2	250@70V	500@140V	P	ST		11.02	1	Class D	1408.00	N/A	X TM
DA-500F-HLCU	58644	4	550/100,500@70V	241000@140V	P	ST		19.4	1	Class D	3402.00	N/A	Ω X TM
DA-550F CU	58645	4	350/550	241100	P	ST		19.4	1	Class D	3402.00	N/A	Ω X TM



TOA

DA Series Multi-Channel Install Amplifiers

Boasting 85% efficiency, TOA DA series amplifiers pack a lot of power into a small frame and can dramatically reduce operating costs. They feature comprehensive protection circuitry, security covers, balanced block inputs, terminal strip outputs, and more. They are available in high impedance and low impedance models to meet any commercial need.



BOGEN

Boga Utility Amplifiers

Bogen's utility amplifiers are designed for long term, low-power applications such as music-on-hold (GA2 only), headphones, and waiting room background music. The GA2 is UL listed and provides a 200Hz-15kHz frequency response, ideal for speech reinforcement and distribution. The GA6A reproduces 30Hz-12kHz and features tone control, Mic and Aux controls, terminal strip input, RCA input, and terminal strip output. Dependable low-power amplification.

Model #	Inv. #	Channel Count	Power/Ch. 8Ω/4Ω/2Ω	Bridged 8Ω/4Ω/2Ω	Input Connectors	Output Connectors	On-Board DSP	Weight (lbs)	Rackspace	Topology	List Price	MAP Price	See Icon legend in the footer of page.
GA2	37365	1	1.5		RCA	ST		2			168.30	N/A	X TM
GA6A	40491	1	6		RCA,ST	ST		5			262.77	N/A	Ω X TM
BPA60	48555	1	60@70V		RCA,ST	ST		17	2		877.82	N/A	X TM



BOGEN

BPA60 Mono Installation Amplifier

Designed for commercial sound systems, the BPA60 drives 8Ω/25V, 25VCT, and 70V systems. An illuminated on/off power switch is located on its front panel. It also features level control, circuit breaker, low-cut filter, and an auxiliary receptacle. The BPA60 is ideal for critical paging and announcement applications, along with long-term background music playback over a distributed speaker system.



BOGEN

BLACK MAX Constant Voltage Amplifiers

Black Max amplifiers provide maximum performance in 70V speaker systems. They feature two channels of Class-H amplification with transformerless direct outputs. An auto-sleep function conserves energy in continuously-powered systems. Other features include low-cut filters, built-in power sequencing, and amp protection circuits.

Model #	Inv. #	Channel Count	Power/Ch. 8Ω/4Ω/2Ω	Bridged 8Ω/4Ω/2Ω	Input Connectors	Output Connectors	On-Board DSP	Weight (lbs)	Rackspace	Topology	List Price	MAP Price	See Icon legend in the footer of page.
X300	38267	2	300@70V		P	ST		41	2	Class H	1617.92	N/A	X TM
X600	52005	2	600@70V		P	ST		46	2	Class H	2057.07	N/A	X TM
M300	39699	2	200/300,600@70V		P	ST		41	2	Class AB	1845.69	N/A	Ω X TM
M450	38661	2	300/450,900@70V		P	ST		44	2	Class H	2124.85	N/A	Ω X TM
M600	49672	2	400/600,1200@70V		P	ST		46	2	Class H	2464.23	N/A	Ω X TM



BOGEN

M-Class Dual Channel Amplifiers

M-Class amplifiers offer three modes of operation: 4Ω Stereo, 70V Mono, and Dual 4Ω Mono. Mono mode turns the input section into a 2-channel mixer. Two modular bays are provided for optional input types. They also features selectable Low-Frequency roll-off, insert connections, Sleep Mode, clip limiting, and more.