

LOUDSPEAKER CATALOG

Fixed install audio solutions for every space



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PERFORMANCE & SPECIALTY

Application-driven loudspeakers with precision coverage and premium sound quality



Community™ loudspeakers are engineered to provide excellent acoustic performance, flexibility, and elegant aesthetics for a diverse range of applications. Serving as world-leading loudspeaker solutions for indoor and outdoor sound reinforcement, our models offer exceptional features and benefits designed to exceed the needs of your next project.

- High-performance loudspeakers for demanding applications requiring premium coverage
- Elegant solutions that provide exceptional speech intelligibility
- Versatile point source, line array and subwoofer models
- Music, voice, and paging solutions with EN54-24 certified models
- Weather-resistant models designed for exceptional performance in extreme conditions





Puma Social Club
Bengaluru, India

V SERIES POINT SOURCE

Full-range loudspeaker systems perfectly suited for a wide variety of fixed installations; Community point source loudspeakers deliver powerful audio for indoor applications.

- Compact and large format models
- Portrait or landscape mounting
- Yoke-style brackets included with compact models
- A variety of optional versatile mounting solutions are available to simplify installation
- 70V/100V single 8-inch and dual 8-inch models available



V Series Stage Monitors

- Stylish, compact, and elegant appearance
- Smooth conical dispersion for uniform stage coverage



Šibenik Convention Center
Šibenik, Croatia

PERFORMANCE & SPECIALTY: V SERIES POINT SOURCE

	 V2-6	 V2-8 V2-8T	 V2-26	 V2-28 V2-28T	 V2-1296
Loudspeaker Type	Two-way, 6.5-inch full-range compact loudspeaker	Two-way, 8-inch full-range compact loudspeaker	Two-way, dual 6.5-inch full-range compact loudspeaker	Two-way, dual 8-inch full-range compact loudspeaker	Two-way, 12-inch full-range loudspeaker system
Drivers	LF 1 x 6.5" HF 1 x 1"	LF 1 x 8" HF 1 x 1"	LF 2 x 6.5" HF 1 x 1"	LF 2 x 8" HF 1 x 1"	LF 1 x 12" HF 1 x 1"
Operating Range	90 Hz - 18 kHz	70 Hz - 18 kHz	70 Hz - 18 kHz	60 Hz - 18 kHz	60 Hz - 18 kHz
Sensitivity (1W/1m)	92 dB	V2-8: 92 dB V2-8T: 91 dB	92 dB	V2-28: 94 dB V2-28T: 93 dB	98 dB
Power Rating	100W Cont. 400W Peak	V2-8: 150W Cont. 600W Peak	200W Cont. 800W Peak	V2-28: 300W Cont. 1200W Peak	200W Cont. 800W Peak
Max Output @1m	112 dB 118 dB Peak	114 dB 120 dB Peak	115 dB 121 dB Peak	119 dB 125 dB Peak	121 dB 127 dB Peak
Nominal Impedance	8Ω	V2-8: 8Ω	4Ω	V2-28: 4Ω	8Ω
Dispersion (H x V)	90° x 70°	90° x 70°	90° x 70°	90° x 70°	90° x 60°
Transformer Taps	n/a	V2-8T: 70V: 100W, 50W, 25W, 12.5W 100V: 100W, 50W, 25W	n/a	V2-28T: 70V: 200W, 100W, 50W, 25W 100V: 200W, 100W, 50W	n/a
Environmental	Indoor	Indoor	Indoor	Indoor	Indoor
RAL Color	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003
Dimensions H x W x D	15.5" x 9.8" x 10.1" (395 x 249 x 258 mm)	17" x 11.3" x 11.7" (433 x 287 x 298 mm)	22.5" x 9.8" x 10.1" (573 x 249 x 258 mm)	25.5" x 11.3" x 11.7" (649 x 287 x 298 mm)	23.9" x 15.4" x 14.3" (608 x 390 x 362 mm)
Weight	19.7 lbs (8.9 kg) 21.7 lbs (9.9 kg) with autoformer	25.3 lbs (11.5 kg) 27.3 lbs (12.5 kg) with autoformer	28.1 lbs (12.7 kg) 30.1 lbs (13.7 kg) with autoformer	36.7 lbs (16.7 kg) 38.7 lbs (17.7 kg) with autoformer	38.4 lbs (17.4 kg)



				
V2-1596	V2-3294	V2-3594	MX8	MX10
Two-way, 15-inch full-range loudspeaker system	Three-way, 12-inch full-range loudspeaker	Three-way, 15-inch full-range loudspeaker	Two-way, 8-inch low profile stage monitor	Two-way, 10-inch low profile stage monitor
LF 1 x 15" HF 1 x 1"	LF 1 x 12" MF 1 x 6.5" HF 1 x 1"	LF 1 x 15" MF 1 x 6.5" HF 1 x 1"	LF 1 x 8" HF 1 x 1.25"	LF 1 x 10" HF 1 x 1.25"
60 Hz - 18 kHz	60 Hz - 18 kHz	55 Hz - 18 kHz	80 Hz - 18 kHz	70 Hz - 18 kHz
98 dB	99 dB	99 dB	96 dB	99 dB
200W Cont. 800W Peak	200W Cont. 800W Peak	200W Cont. 800W Peak	150W Cont. 600W Peak	200W Cont. 800W Peak
121 dB 127 dB Peak	122 dB 128 dB Peak	122 dB 128 dB Peak	118 dB 124 dB Peak	122 dB 128 dB Peak
8Ω	8Ω	8Ω	8Ω	8Ω
90° x 60°	90° x 40°	90° x 40°	115° conical	100° conical
n/a	n/a	n/a	n/a	n/a
Indoor	Indoor	Indoor	Indoor	Indoor
Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003
27.2" x 18.4" x 15.9" (690 x 467 x 404 mm)	29.3" x 17.4" x 15.4" (744 x 441 x 390 mm)	32.4" x 18.4" x 15.9" (823 x 467 x 404 mm)	10.4" x 10.8" x 14.5" (263 x 275 x 367 mm)	10.8" x 12.6" x 16.5" (275 x 321 x 419 mm)
47.8 lbs (21.7 kg)	54.1 lbs (25.4 kg)	59.5 lbs (27 kg)	17 lbs (8 kg)	22 lbs (10 kg)

V SERIES SUBWOOFERS

- Versatile, affordable, low-profile subwoofers
- Designed to augment and extend the low frequencies of the V Series loudspeakers, these models pack a powerful sonic punch


VLF208

VLF208LV

V2-212S

V2-215S

	 VLF208	 VLF208LV	 V2-212S	 V2-215S
Loudspeaker Type	Dual 8-inch compact subwoofer	Dual 8-inch "Large Volume" compact subwoofer	Dual 12-inch subwoofer	Dual 15-inch subwoofer
Drivers	LF 2 x 8"	LF 2 x 8"	LF 2 x 12"	LF 2 x 15"
Operating Range	55 Hz - 400 Hz	30 Hz - 1 kHz	37 Hz - 500 Hz	37 Hz - 2 kHz
Sensitivity (1W/1m)	95 dB	93 dB	98 dB	97 dB
Power Rating	300W Cont. 1200W Peak	400W Cont. 1600W Peak	300W Cont. 1200W Peak	400W Cont. 1600W Peak
Max Output @1m	120 dB 127 dB Peak	119 dB 126 dB Peak	123 dB 129 dB Peak	123 dB 129 dB Peak
Nominal Impedance	4Ω	4Ω	4Ω	4Ω
Dispersion	omnidirectional	omnidirectional	omnidirectional	omnidirectional
Transformer Taps	n/a	n/a	n/a	n/a
Environmental	Indoor	Indoor	Indoor	Indoor
RAL Color	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003
Dimensions H x W x D	8.25" x 21.75" x 13" (210 x 552 x 330 mm)	10.2" x 21.75" x 21.75" (260 x 552 x 552 mm)	13.9" x 35.9" x 17.9" (354 x 912 x 455 mm)	18.4" x 37.4" x 20.4" (468 x 950 x 518 mm)
Weight	42 lbs (19.1 kg)	48 lbs (21.8 kg)	70 lbs (31.8 kg)	94 lbs (42.6 kg)

W SERIES

- Elegant aesthetics and flat response in near field or distributed premium music applications
- All-weather, multilayer fiberglass composite enclosure with stainless steel hardware
- Powder-coated weather-resistant marine-grade aluminum grille and stainless-steel yoke
- Available with built-in autoformer for 70V/100V applications



W2-218
W2-218T



W2-228
W2-228T



W2-2W8
W2-2W8T

Loudspeaker Type	Two-way, 8-inch full-range weather-resistant loudspeaker	Quasi three-way, 8-inch full-range weather-resistant loudspeaker	Two-way, dual 8-inch full-range weather-resistant loudspeaker
Drivers	LF 1 x 8" HF 1 x 1"	LF 1 x 8" LF/MF 1 x 8" HF 1 x 1"	LF 2 x 8" HF 1 x 1"
Operating Range	70 Hz - 18 kHz	70 Hz - 18 kHz	65 Hz - 18 kHz
Sensitivity (1W/1m)	W2-218: 93 dB W2-218T: 92 dB	W2-228: 96 dB W2-228T: 95 dB	W2-2W8: 97 dB W2-2W8T: 96 dB
Power Rating	W2-218: 125W Cont. 500W Peak	W2-228: 250W Cont. 1000W Peak	W2-2W8: 250W Cont. 1000W Peak
Max Output @1m	114 dB 120 dB Peak	121 dB 127 dB Peak	121 dB 127 dB Peak
Nominal Impedance	W2-218: 8Ω	W2-228: 4Ω	W2-2W8: 8Ω
Dispersion (H x V)	80° x 60°	85° x 85°	120° x 60°
Transformer Taps	W2-218T: 70V: 100W, 50W, 25W, 12.5W 100V: 100W, 50W, 25W	W2-228T: 70V: 200W, 100W, 50W, 25W 100V: 200W, 100W, 50W	W2-2W8T: 70V: 200W, 100W, 50W, 25W 100V: 200W, 100W, 50W
Environmental	IP55W per IEC 60529	IP55W per IEC 60529	IP55W per IEC 60529
RAL Color	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003
Dimensions H x W x D	9.25" x 15.5" x 10.14" (235 x 394 x 258 mm)	10.13" x 20" x 11.5" (257 x 508 x 292 mm)	10.13" x 20" x 11.5" (257 x 508 x 292 mm)
Weight (loudspeaker with included mounting yoke)	W2-218: 18.6 lbs (8.4 kg) W2-218T: 21.4 lbs (9.7 kg)	W2-228: 36 lbs (16.3 kg) W2-228T: 40 lbs (18.1 kg)	W2-2W8: 40.4 lbs (18.3 kg) W2-2W8T: 44.4 lbs (20.14 kg)



Talladega Superspeedway
Lincoln, Alabama

R SERIES POINT SOURCE

- Full bandwidth, versatile high output, and controlled coverage
- Engineered to withstand the challenges of extreme weather conditions
- Music, voice, and paging solutions

R Series Premium Music Solutions

- Flat response and signal aligned for high-output premium music applications

R Series Voice and Music Solutions

- Full range, high-efficiency voice-optimized public address and music



PERFORMANCE & SPECIALTY: POINT SOURCE R SERIES

	 R.15COAX	 R.35COAX	 R.35-3896*	 R.5COAX R.5COAXT	 R.5-MAX
	PREMIUM MUSIC				
Loudspeaker Type	Two-way, 6.5-inch coaxial weather-resistant loudspeaker	Two-way, 10-inch coaxial weather-resistant loudspeaker	Three-way, 8-inch full range weather-resistant loudspeaker	Two-way, 12-inch coaxial weather-resistant loudspeaker	Two-way, 12-inch high output full range weather-resistant loudspeaker
Drivers	LF 1 x 6.5" HF 1 x 1.25"	LF x 10" HF 1 x 1.25"	LF 1 x 8" MF 2 x 2.35" 1 x 1"	LF 1 x 12" HF 1 x 1"	LF 1 x 12" HF 1 x 1.4"
Operating Range	90 Hz - 16 kHz	70 Hz - 16 kHz	80 Hz - 16 kHz	80 Hz - 18 kHz	85 Hz - 21.8 kHz
Sensitivity (1W/1m)	94 dB	97 dB	98 dB	98 dB ¹	104 dB ¹
Power Rating	150W Cont. 600W Peak	200W Cont. 800W Peak	400W Cont. 1600W Peak	R.5COAX66 / R.5COAX99: 200W Cont. 800W Peak	600W Cont. 2400W Peak
Max Output @1m	116 dB 122 dB Peak	120 dB 126 dB Peak	124 dB 130 dB Peak	121 dB ¹ 127 dB Peak ¹	132 dB ¹ 138 dB Peak ¹
Nominal Impedance	8Ω or 70V/100V	8Ω or 70V/100V	8Ω or 70V/100V	8Ω (Various)	8Ω
Dispersion (H x V)	100° x 100°	90° x 90°	90° x 60°	R.5COAX66: 60° x 60° R.5COAX66T: 60° x 60° R.5COAX99: 90° x 90° R.5COAX99T: 90° x 90°	R.5-66MAX: 60° x 60° R.5-96MAX: 90° x 60°
Transformer Taps	70V: 120W, 60W, 30W, 15W 100V: 120W, 60W, 30W	70V: 200W, 100W, 50W, 25W 100V: 200W, 100W, 50W	70V: 200W, 100W, 50W, 25W 100V: 200W, 100W, 50W	R.5COAX66T / R.5COAX99T: 70V: 200W, 100W, 50W, 25W 100V: 200W, 100W, 50W	n/a
Environmental	IP55W per IEC 60529, Designed to MIL-STD-810G	IP55W per IEC 60529, Designed to MIL-STD-810G	IP55W per IEC 60529, Designed to MIL-STD-810G	IP54W per IEC 60529	IP55W per IEC 60529, Designed to MIL-STD-810G
RAL Color	Grey RAL 7038 Black RAL 9005	Grey RAL 7038 Black RAL 9005	Grey RAL 7038 Black RAL 9005	Grey RAL 7038 Black RAL 9005	Black RAL 9005 Grey RAL 7038
Dimensions H x W x D	9" x 10.15" x 10.2" (229 x 258 x 259 mm)	11" x 13" x 13.5" (279 x 330 x 343 mm)	11" x 13" x 13.5" (279 x 330 x 343 mm)	16" x 16" x 16" (406 x 406 x 406 mm)	16" x 16" x 16.2" (406 x 406 x 411 mm)
Weight (loudspeaker with included mounting yoke)	17 lbs (7.7 kg)	26 lbs (11.8 kg)	34 lbs (15.4 kg)	R.5COAX: 35 lbs (15.9 kg) R.5COAXT: 38.5 lbs (17.46 kg)	47 lbs (21.3 kg)

*EN54-24 certified version available

¹Highest representative output among various horn pattern and transformer options per base model

(PREMIUM MUSIC | VOICE & MUSIC)

					
R2-MAX	R.25-94Z R.25-94TZ	R.5 R.5T	R.5HP R.5HPT-R	R1*	R2*
VOICE & MUSIC					
Three-way, 12-inch high output full range weather-resistant loudspeaker	Two-way, 8-inch full-range weather-resistant loudspeaker	Two-way, 12-inch full-range weather-resistant loudspeaker	Three-way, 12-inch full range horn loaded weather-resistant loudspeaker	Two-way, 12-inch large format full-range weather resistant loudspeaker	Three-way, 12-inch large format full-range weather-resistant loudspeaker
R2-52MAX: LF 2 x 12", MF 2 x 2", HF 1 x 1" R2-64/66/94MAX: LF 2 x 12", MF 1 x 2", HF 1 x 1.4"	LF 1 x 8" HF 1 x 0.75"	LF 1 x 12" HF 1 x 1"	LF 1 x 12" MF 1 x 2" HF 1 x 1"	LF 1 x 12" HF 1 x 1"	R2-52Z: LF 2 x 12", MF 2 x 2", HF 1 x 1" R2-474/694/77/94Z: LF 2 x 12", MF 1 x 2", HF 1 x 1"
R2-52MAX: 71 Hz - 19.5 kHz R2-64MAX: 71 Hz - 22.4 kHz R2-66/94MAX: 73 Hz - 22.4 kHz	100 Hz - 16 kHz	85 Hz - 21.8 kHz	85 Hz - 16 kHz	90 Hz - 16 kHz	R2-52/474Z: 70 Hz - 16 kHz R2-694/77Z: 70 Hz - 16.5 kHz R2-94Z: 70 Hz - 15 kHz
LF: 103 dB ¹ MF/HF: 109 dB ¹	96 dB ¹	103 dB ¹	106 dB ¹	105 dB ¹	107 dB ¹
LF: 1200W Cont. / 4800W Peak MF/HF: 350W Cont. / 1400W Peak	R.25-94Z: 200W Cont. 800W Peak	R.5-66/94/99Z: 200W Cont. 800W Peak	R.5HP: 200W Cont. 800W Peak	200W Cont. 800W Peak	400W Cont. 1600W Peak
135 dB ¹ 141 dB Peak ¹	120 dB 126 dB Peak	126 dB ¹ 132 dB Peak ¹	129 dB ¹ 135 dB Peak ¹	128 dB ¹ 134 dB Peak ¹	133 dB ¹ 139 dB Peak ¹
LF: 8Ω MF/HF: 8Ω	8Ω (Various)	8Ω	8Ω (Various)	8Ω	4Ω
R2-52MAX: 50° x 20° R2-64MAX: 60° x 40° R2-66MAX: 60° x 60° R2-94MAX: 90° x 40°	90° x 40°	R.5-66Z: 60° x 60° R.5-66TZ: 60° x 60° R.5-94Z: 90° x 40° R.5-94TZ: 90° x 40° R.5-99Z: 90° x 90° R.5-99TZ: 90° x 90°	60° x 40°	R1-64Z: 60° x 40° R1-66Z: 60° x 60° R1-94Z: 90° x 40°	R2-52Z: 50° x 20° R2-474Z: 40-70° x 40° R2-694Z: 60-90° x 40° R2-77Z: 60° x 60° R2-94Z: 80° x 40°
n/a	R.25-94TZ: 70V: 200W, 100W, 50W, 25W 100V: 200W, 100W, 50W	R.5-66/94/99TZ: 70V: 200W, 100W, 50W, 25W 100V: 200W, 100W, 50W	R.5HPT/-R: 70V: 200W, 100W, 50W, 25W 100V: 200W, 100W, 50W	n/a	n/a
IP55W per IEC 60529, Designed to MIL-STD-810G	IP55W per IEC 60529, Designed to MIL-STD-810G	IP55W per IEC 60529, Designed to MIL-STD-810G	IP55W per IEC 60529, Designed to MIL-STD-810G	IP55W per IEC 60529, Designed to MIL-STD-810G	IP55W per IEC 60529, Designed to MIL-STD-810G
Grey RAL 7038	Grey RAL 7038	Grey RAL 7038	Grey RAL 7038	Grey RAL 7038	Grey RAL 7038
24.8" x 24.8" x 30.8" (629 x 629 x 781 mm)	11.3" x 11.3" x 13.3" (287 x 287 x 338 mm)	16" x 16" x 16.2" (406 x 406 x 411 mm)	16" x 16" x 16.2" (406 x 406 x 411 mm)	24.8" x 24.8" x 29.8" (629 x 629 x 756 mm)	24.8" x 24.8" x 30.8" (629 x 629 x 781 mm)
R2-64/66/94MAX: 115 lbs (52.2 kg) R2-52MAX: 122 lbs (55.3 kg)	R.25-94Z: 20 lbs (9.1 kg) R.25-94TZ: 23 lbs (10.4 kg)	R.5: 35 lbs (15.9 kg) R.5T: 37 lbs (16.8 kg)	R.5HP: 42.3 lbs (19.2 kg) R.5HPT/HPT-R: 45.5 lbs (20.6 kg)	55.5 lbs (25.2 kg)	R2-77/474/694/94Z: 96 lbs (43.5 kg) R2-52Z: 126 lbs (57.2 kg)

HORNS & VOICE PROJECTION

- Ideal for very long projection voice and critical emergency warning notification systems
- Community horns and projectors enable superior vocal clarity with very low distortion
- Very high efficiency, high-output voice and signal projection systems



	 RMG-200A RMG-200AT	 R.5-V2200	 RSH-462	 TT-1020
Loudspeaker Type	Voice range announcement horn/driver system	Dual-driver horn-loaded system for high-level paging	Exponential FocusedArray™ high-level horn/driver system	Emergency notification tunnel horn
Drivers	MF 1 x 2"	MF 2 x 2"	MF 4 x 2"	MF 1 x 2"
Operating Range	400 Hz - 8 kHz	450 Hz - 8 kHz	400 Hz - 8 kHz	300 Hz - 9 kHz
Sensitivity (1W/1m)	RMG-200A: 115 dB RMG-200AT: 114 dB	114 dB	118 dB	114 dB
Power Rating	RMG-200A: 75W Cont. 300W Peak	150W Cont. 600W Peak	300W Cont. 1200W Peak	Refer to tap setting
Max Output @1m	134 dB 140 dB Peak	136 dB 142 dB Peak	143 dB 149 dB Peak	134 dB
Nominal Impedance	RMG-200A: 11Ω	6Ω	11Ω	n/a
Dispersion	50° x 40°	80° x 40°	60° x 20°	40° x 30°
Transformer Taps	RMG-200AT: 70V: 75W, 38W, 19W, 9W 100V: 75W, 38W, 19W	n/a	n/a	100V: 100W, 50W
Environmental	IP66W per IEC 60529	IP66W per IEC 60529	IP66W per IEC 60529	IP66W per IEC 60529
RAL Color	Grey RAL 7038	Grey RAL 7038	Grey RAL 7038	Black RAL 9005
Dimensions H x W x D	9.8" x 17.6" x 25" (248 x 448 x 635 mm)	16" x 16" x 16.2" (406 x 406 x 411 mm)	28.5" x 24.5" x 22.5" (724 x 622 x 572 mm)	19" x 34.5" x 53.6" (483 x 877 x 1362 mm)
Weight (loudspeaker with included mounting yoke)	RMG-200A: 21 lbs (9.5 kg) RMG-200AT: 24.3 lbs (11 kg)	39.3 lbs (17.8 kg)	71.3 lbs (32.34 kg)	53 lbs (24 kg)

I SERIES

I Series Point Source

- High performance, high-output modular loudspeaker systems with exceptional flexibility and discreet styling
- 600-level compact models complement the appearance, performance, and voicing of the larger point source models for under-balcony, front-fill, side-fill, and distributed applications
- 800-level models offer superior performance for demanding applications and feature neodymium drivers
- 600-level models address a broad range of installation needs and incorporate large-format ferrite drivers
- PolyGlas™ outdoor models available



FireHouse Gastro Park
Grand Prairie, Texas

PERFORMANCE & SPECIALTY: I SERIES POINT SOURCE

	 IC6-1062 IC6-1062T	 IC6-1082 IC6-1082T	 IC6-2082 IC6-2082T	 IP6-1122
Loudspeaker Type	Two-way, 6.5-inch compact loudspeaker	Two-way, 8-inch compact loudspeaker	Two-way, dual 8-inch compact loudspeaker	Two-way, 12-inch medium power point source loudspeaker
Drivers	LF 1 x 6.5" HF 1 x 1"	LF 1 x 8" HF 1 x 1"	LF 2 x 8" HF 1 x 1"	LF 1 x 12" HF 1 x 1.4"
Operating Range	56 Hz - 18.5 kHz	IC6-1082/26: 52 Hz - 19.5 kHz IC6-1082/96: 53 Hz - 20 kHz	IC6-2082/26: 49 Hz - 20 kHz IC6-2082/96: 50 Hz - 19.5 kHz	IP6-1122/26: 37 Hz - 17.5 kHz IP6-1122/64: 38 Hz - 17.5 kHz IP6-1122/66: 38 Hz - 18.5 kHz IP6-1122/94: 38 Hz - 17.5 kHz IP6-1122/96: 37 Hz - 19 kHz IP6-1122/99: 36 Hz - 19 kHz
Sensitivity (1W/1m)	92 dB	95 dB	100 dB	95 dB ¹
Power Rating	150W Cont. 600W Peak	IC6-1082/26, IC6-1082/96: 250W Cont. 1000W Peak	IC6-2082/26, IC6-2082/96: 300W Cont. 1200W Peak	600W Cont. 2400W Peak
Max Output @1m	114 dB 120 dB Peak	119 dB ¹ 125 dB Peak ¹	125 dB ¹ 131 dB Peak ¹	123 dB ¹ 129 dB Peak ¹
Nominal Impedance	8Ω	8Ω	16Ω	8Ω
Dispersion (H x V)	100° x 100°	IC6-1082/26: 120° x 60° IC6-1082T26: 120° x 60° IC6-1082/96: 90° x 60° IC6-1082T96: 90° x 60°	IC6-2082/26: 120° x 60° IC6-2082T26: 120° x 60° IC6-2082/96: 90° x 60° IC6-2082T96: 90° x 60°	IP6-1122/26: 120° x 60° IP6-1122/64: 60° x 40° IP6-1122/66: 60° x 60° IP6-1122/94: 90° x 40° IP6-1122/96: 90° x 60° IP6-1122/99: 90° x 90°
Transformer Taps	IC6-1062T00: 70V: 100W, 50W, 25W 12.5W 100V: 100W, 50W, 25W	IC6-1082T26, IC6-1082T96: 70V: 200W, 100W, 50W, 25W 100V: 200W, 100W, 50W	IC6-2082T26, IC6-2082T96: 70V: 200W, 100W, 50W, 25W 100V: 200W, 100W, 50W	n/a
Environmental	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G
RAL Color	Black RAL 9005 White RAL 9003 Grey RAL 7038 (outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (outdoor)
Dimensions H x W x D	14.3" x 8.0" x 8.9" (363 x 203 x 227 mm)	18.75" x 10.4" x 10.6" (476 x 264 x 270 mm)	11.3" x 22.5" x 10.6" (287 x 571 x 270 mm)	28.0" x 14.5" x 17.7" (711 x 368 x 450 mm)
Weight (loudspeaker only)	IC6-1062: 16 lbs (7.3 kg) IC6-1062T: 20 lbs (9.1 kg) IC6-1062WR: 12.6 lbs (5.7 kg) IC6-1062WT: 16.6 lbs (7.5 kg)	IC6-1082: 25 lbs (11.3 kg) IC6-1082T: 29 lbs (13.2 kg) IC6-1082WR: 19.2 lbs (8.7 kg) IC6-1082WT: 23.2 lbs (10.5 kg)	IC6-2082: 31 lbs (14.1 kg) IC6-2082T: 35 lbs (15.9 kg) IC6-2082WR: 23.9 lbs (10.8 kg) IC6-2082WT: 27.9 lbs (12.7 kg)	65 lbs (29.5 kg)

¹Highest representative output among various horn pattern and transformer options per base model

**IP6-1152****IP8-1122****IP8-1152****IP8-1153**

Two-way, 15-inch medium power point source loudspeaker	Two-way, 12-inch high power point source loudspeaker	Two-way, 15-inch high power point source loudspeaker	Three-way, 15-inch high power point source loudspeaker
LF 1 x 15" HF 1 x 1.4"	LF 1 x 12" HF 1 x 1.4"	LF 1 x 15" HF 1 x 1.4"	LF 1 x 15" MF 1 x 2" HF 1 x 1.4"
IP6-1152/26: 30 Hz - 17.5 kHz IP6-1152/64: 30 Hz - 18 kHz IP6-1152/66: 32 Hz - 19 kHz IP6-1152/94: 30 Hz - 18 kHz IP6-1152/96: 30 Hz - 19.5 kHz IP6-1152/99: 28 Hz - 19 kHz	IP8-1122/26: 43 Hz - 18.5 kHz IP8-1122/64: 44 Hz - 19 kHz IP8-1122/66: 43 Hz - 22.4 kHz IP8-1122/94: 44 Hz - 18.5 kHz IP8-1122/96: 44 Hz - 22.4 kHz IP8-1122/99: 43 Hz - 19.5 kHz	IP8-1152/26: 30 Hz - 18.5 kHz IP8-1152/64: 31 Hz - 19 kHz IP8-1152/66: 31 Hz - 19.5 kHz IP8-1152/94: 31 Hz - 18 kHz IP8-1152/96: 30 Hz - 22.4 kHz IP8-1152/99: 29 Hz - 19.5 kHz	IP8-1153/64: 30 Hz - 18.5 kHz IP8-1153/66: 30 Hz - 21.8 kHz IP8-1153/94: 30 Hz - 16.5 kHz
96 dB ¹	95 dB ¹	95 dB ¹	LF: 96 dB ¹ MF/HF: 107 dB ¹
600W Cont. 2400W Peak	800W Cont. 3200W Peak	800W Cont. 3200W Peak	LF: 600W Cont. / 2400W Peak MF/HF: 275W Cont. / 1100W Peak
124 dB ¹ 130 dB Peak ¹	124 dB ¹ 130 dB Peak ¹	124 dB ¹ 130 dB Peak ¹	LF: 124 dB / 130 dB Peak ¹ MF/HF: 131 dB / 137 dB Peak ¹
8Ω	8Ω	8Ω	LF: 8Ω MF/HF: 8Ω
IP6-1152/26: 120° x 60° IP6-1152/64: 60° x 40° IP6-1152/66: 60° x 60° IP6-1152/94: 90° x 40° IP6-1152/96: 90° x 60° IP6-1152/99: 90° x 90°	IP8-1122/26: 120° x 60° IP8-1122/64: 60° x 40° IP8-1122/66: 60° x 60° IP8-1122/94: 90° x 40° IP8-1122/96: 90° x 60° IP8-1122/99: 90° x 90°	IP8-1152/26: 120° x 60° IP8-1152/64: 60° x 40° IP8-1152/66: 60° x 60° IP8-1152/94: 90° x 40° IP8-1152/96: 90° x 60° IP8-1152/99: 90° x 90°	IP8-1153/64: 60° x 40° IP8-1153/66: 60° x 60° IP8-1153/94: 90° x 40°
n/a	n/a	n/a	n/a
Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G
Black RAL 9005 White RAL 9003 Grey RAL 7038 (outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (outdoor)
30.8" x 16.5" x 20.1" (782 x 419 x 510 mm)	28.0" x 14.5" x 17.7" (711 x 368 x 450 mm)	30.8" x 16.5" x 20.1" (782 x 419 x 510 mm)	39.0" x 22.1" x 26.3" (991 x 561 x 668 mm)
79 lbs (35.8 kg)	55 lbs (24.9 kg)	68 lbs (30.8 kg)	105 lbs (47.6 kg)

I Series Line Array

- Featuring scalable, adaptive sound reinforcement systems with multiple vertical array elements, our line array options enable powerful audio without sacrificing total clarity
- Scalable and adaptive 600-level modular vertical array system includes built-in Passive Acoustic Optimization settings to tailor an array to any size venue
- VenuePolar, an EASE® Focus plugin, automates the loudspeaker system design for the IV6 array
- PolyGlas™ outdoor models available



	 IV6-1122/05	 IV6-1122/15	 IV6-118S
Loudspeaker Type	Two-way, 12-inch line array loudspeaker	Two-way, 12-inch line array loudspeaker	18-inch subwoofer
Drivers	LF 1 x 12" HF 2 x 1.7"	LF 1 x 12" HF 2 x 1.7"	LF 1 x 18"
Operating Range	40 Hz - 18.5 kHz	40 Hz - 18.5 kHz	37 Hz - 132 Hz
Sensitivity (1W/1m)	102 dB (single element)	100 dB (single element)	102 dB
Power Rating	400W Cont. 1600W Peak	400W Cont. 1600W Peak	800W Cont. 3200W Peak
Max Output @1m	128 dB 134 dB Peak	126 dB 132 dB Peak	131 dB / 137 dB Peak (half space) 125 dB / 131 dB Peak (whole space)
Nominal Impedance	16Ω	16Ω	8Ω
Dispersion	120° x 5° Max (array dependent)	120° x 15° Max (array dependent)	Omnidirectional
Transformer Taps	n/a	n/a	n/a
Environmental	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G
RAL Color	Black RAL 9005 White RAL 9003 Grey RAL 7038 (outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (outdoor)
Dimensions H x W x D	14.0" x 28.1" x 16.6" (356 x 714 x 421 mm)	14.0" x 28.1" x 16.7" (355 x 714 x 425 mm)	20.0" x 28.1" x 28.1" (508 x 714 x 713 mm)
Weight (loudspeaker with 1 pair of splay brackets)	IV6-1122/05: 77.3 lbs (35.1 kg) IV6-1122WR05: 62 lbs (28.1 kg)	IV6-1122/15: 73.2 lbs (33.2 kg) IV6-1122WR15: 59 lbs (26.8 kg)	IV6-118S: 132.6 lbs (60.1 kg) IV6-118SWR: 99 lbs (44.9 kg)

I Series Subwoofers

- Subwoofer 600 - medium power subwoofers featuring extended displacement ferrite drivers
- Subwoofer 800 - premium grade, high power subwoofers featuring neodymium drivers for applications demanding impactful and deep bass



Melrose Center for the Performing Arts Center
Melrose, Massachusetts

PERFORMANCE & SPECIALTY: I SERIES SUBWOOFERS

	 IS6-112	 IS6-115	 IS6-118	 IS6-212	 IS6-215	 IS6-218
Loudspeaker Type	12-inch medium power subwoofer	15-inch medium power subwoofer	18-inch medium power subwoofer	Dual 12-inch medium power subwoofer	Dual 15-inch medium power subwoofer	Dual 18-inch medium power subwoofer
Drivers	LF 1 x 12"	LF 1 x 15"	LF 1 x 18"	LF 2 x 12"	LF 2 x 15"	LF 2 x 18"
Operating Range	39 Hz - 150 Hz	37 Hz - 140 Hz	32 Hz - 145 Hz	38 Hz - 150 Hz	37 Hz - 145 Hz	32 Hz - 145 Hz
Sensitivity (1W/1m) - half space	100 dB	102 dB	104 dB	103 dB	105 dB	107 dB
Power Rating (single amp)	700W Cont. 2800W Peak	700W Cont. 2800W Peak	700W Cont. 2800W Peak	1400W Cont. 5600W Peak	1400W Cont. 5600W Peak	1400W Cont. 5600W Peak
Max Output @1m (half space)	128 dB 134 dB Peak	130 dB 136 dB Peak	132 dB 138 dB Peak	134 dB 140 dB Peak	136 dB 142 dB Peak	138 dB 144 dB Peak
Nominal Impedance (single amp)	8Ω	8Ω	8Ω	4Ω	4Ω	4Ω
Dispersion	Omnidirectional	Omnidirectional	Omnidirectional	Omnidirectional	Omnidirectional	Omnidirectional
Environmental	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G
RAL Color	Black RAL 9005 White RAL 9003 Grey RAL 7038 (Outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (Outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (Outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (Outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (Outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (Outdoor)
Dimensions H x W x D	14.3" x 14.5" x 21.0" (363 x 368 x 533 mm)	19.8" x 16.5" x 23.4" (503 x 419 x 593 mm)	19.8" x 22.1" x 29.9" (503 x 561 x 734 mm)	28.0" x 14.5" x 21.0" (711 x 368 x 533 mm)	39.0" x 16.5" x 23.4" (991 x 419 x 593 mm)	39.0" x 22.1" x 28.9" (991 x 561 x 734 mm)
Weight	64 lbs (29 kg)	78 lbs (35.4 kg)	97 lbs (44 kg)	101 lbs (45.8 kg)	126 lbs (57.2 kg)	170 lbs (77.1 kg)

600 & 800

					
IS8-112	IS8-115	IS8-118	IS8-212	IS8-215	IS8-218
12-inch high power subwoofer	15-inch high power subwoofer	18-inch high power subwoofer	Dual 12-inch high power subwoofer	Dual 15-inch high power subwoofer	Dual 18-inch high power subwoofer
LF 1 x 12"	LF 1 x 15"	LF 1 x 18"	LF 2 x 12"	LF 2 x 15"	LF 2 x 18"
38 Hz - 148 Hz	36 Hz - 155 Hz	31 Hz - 145 Hz	38 Hz - 140 Hz	36 Hz - 140 Hz	31 Hz - 150 Hz
95 dB	99 dB	99 dB	98 dB	102 dB	102 dB
1000W Cont. 4000W Peak	1000W Cont. 4000W Peak	1600W Cont. 6400W Peak	2000W Cont. 8000W Peak	2000W Cont. 8000W Peak	3200W Cont. 12800W Peak
125 dB 131 dB Peak	129 dB 135 dB Peak	131 dB 137 dB Peak	131 dB 137 dB Peak	135 dB 141 dB Peak	137 dB 143 dB Peak
8Ω	8Ω	8Ω	4Ω	4Ω	4Ω
Omnidirectional	Omnidirectional	Omnidirectional	Omnidirectional	Omnidirectional	Omnidirectional
Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G	Outdoor PolyGlas Models: IP55W per IEC 60529, MIL-STD-810G
Black RAL 9005 White RAL 9003 Grey RAL 7038 (Outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (Outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (Outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (Outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (Outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (Outdoor)
14.3" x 14.5" x 21.0" (363 x 368 x 533 mm)	19.8" x 16.5" x 23.4" (503 x 419 x 593 mm)	19.8" x 22.1" x 28.9" (503 x 561 x 734 mm)	28.0" x 14.5" x 21.0" (711 x 368 x 533 mm)	39" x 16.5" x 23.4" (991 x 419 x 593 mm)	39" x 22.1" x 28.9" (991 x 561 x 734 mm)
58 lbs (26.3 kg)	72 lbs (32.7 kg)	98 lbs (44.5 kg)	89 lbs (40.4 kg)	114 lbs (51.7 kg)	172 lbs (78 kg)

L SERIES

- Designed for extraordinary performance in large venues
- Large scale, high performance horn-loaded loudspeaker systems
- Designed to tame the most challenging venues
- Colinear manifold for HF and MF beamforming
- PolyGlas™ outdoor models available



LVH-900/AS

- Active Standard, horn-loaded 4 x 12" three-way, vertical dispersion, arrayable high-output loudspeaker
- 60° or 90° fixed horizontal dispersion, 20°, 40°, 60° electronically-controlled variable vertical coverage
- Single point source loudspeakers with pattern control below 400Hz and up to 137 dB continuous max SPL

LVH-900/AP

- Active Plus, horn-loaded 4 x 12" three-way, vertical dispersion, arrayable high output loudspeaker
- 60° or 90° fixed horizontal dispersion, 20°, 80°, 100° electronically-controlled variable vertical coverage
- Dual-cabinet point source loudspeakers with pattern control below 200Hz and up to 140 dB continuous max SPL



Biamp Experience Center Auditorium
Beaverton, Oregon

L SERIES BEAMFORMING VENUE HORN

	 LVH-906/AS Single Loudspeaker	 LVH-909/AS Single Loudspeaker	 LVH-906/AP Dual-Cabinet Array	 LVH-909/AP Dual Cabinet Array
Loudspeaker Type	Arrayable, high output point source loudspeaker (Active Standard)	Arrayable, high output point source loudspeaker (Active Standard)	Arrayable, high output point source loudspeaker (Active Plus)	Arrayable, high output point source loudspeaker (Active Plus)
Drivers	LF 4 x 12" MF 3 x 2" HF 4 x 1.5" voice coil	LF 4 x 12" MF 3 x 2" HF 4 x 1.5" voice coil	LF 8 x 12" MF 6 x 2" HF 8 x 1.5" voice coil	LF 8 x 12" MF 6 x 2" HF 8 x 1.5" voice coil
Operating Range	60 Hz - 18 kHz	60 Hz - 18 kHz	60 Hz - 18 kHz	60 Hz - 18 kHz
Max Output @1m¹	137 dB Cont. 143 dB Peak	135 dB Cont. 141 dB Peak	140 dB Cont. 146 dB Peak	139 dB Cont. 145 dB Peak
Horizontal Coverage	60°	90°	60°	90°
Vertical Coverage	20°, 40° or 60°	20°, 40° or 60°	20°, 80° or 100°	20°, 80° or 100°
Transformer Taps	n/a	n/a	n/a	n/a
Environmental	Outdoor PolyGlas Models: IP56 per IEC 60529, IEC 60068-2-1 (Cold), IEC 60068-2-2 (Dry Heat), IEC 60068-2-6 (Vibration), IEC 60068-2-30 (Damp Heat, cyclic), IEC 60068-2-42 SO2, IEC 60068-2-78 (Damp Heat, steady state)	Outdoor PolyGlas Models: IP56 per IEC 60529, IEC 60068-2-1 (Cold), IEC 60068-2-2 (Dry Heat), IEC 60068-2-6 (Vibration), IEC 60068-2-30 (Damp Heat, cyclic), IEC 60068-2-42 SO2, IEC 60068-2-78 (Damp Heat, steady state)	Outdoor PolyGlas Models: IP56 per IEC 60529, IEC 60068-2-1 (Cold), IEC 60068-2-2 (Dry Heat), IEC 60068-2-6 (Vibration), IEC 60068-2-30 (Damp Heat, cyclic), IEC 60068-2-42 SO2, IEC 60068-2-78 (Damp Heat, steady state)	Outdoor PolyGlas Models: IP56 per IEC 60529, IEC 60068-2-1 (Cold), IEC 60068-2-2 (Dry Heat), IEC 60068-2-6 (Vibration), IEC 60068-2-30 (Damp Heat, cyclic), IEC 60068-2-42 SO2, IEC 60068-2-78 (Damp Heat, steady state)
RAL Color	Black RAL 9005 White RAL 9003 Grey RAL 7038 (outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (outdoor)	Black RAL 9005 White RAL 9003 Grey RAL 7038 (outdoor)
Dimensions H x W x D (Single LVH-900 Cabinet)	37.3" x 31.4" x 30.5" (948 x 797 x 775 mm)	37.3" x 31.4" x 30.5" (948 x 797 x 775 mm)	37.3" x 31.4" x 30.5" (948 x 797 x 775 mm)	37.3" x 31.4" x 30.5" (948 x 797 x 775 mm)
Weight (Single LVH-900 Cabinet)	LVH-906/AS: 250 lbs (113.4 kg) LVH-906WR/AS: 210 lbs (95.3 kg)	LVH-909/AS: 250 lbs (113.4 kg) LVH-909WR/AS: 210 lbs (95.3 kg)	LVH-906/AP: 250 lbs (113.4 kg) LVH-906WR/AP: 210 lbs (95.3 kg)	LVH-909/AP: 250 lbs (113.4 kg) LVH-909WR/AP: 210 lbs (95.3 kg)

*Highest representative output among various vertical horn pattern options per model

POLYGLAS™ TECHNOLOGY

I Series and L Series outdoor loudspeaker models are manufactured with weather-resistant enclosures. Built for lifetime performance, we employ the same transducers and components in a PolyGlas fiberglass-reinforced high-strength durable composite enclosure.

PolyGlas Cabinet Construction

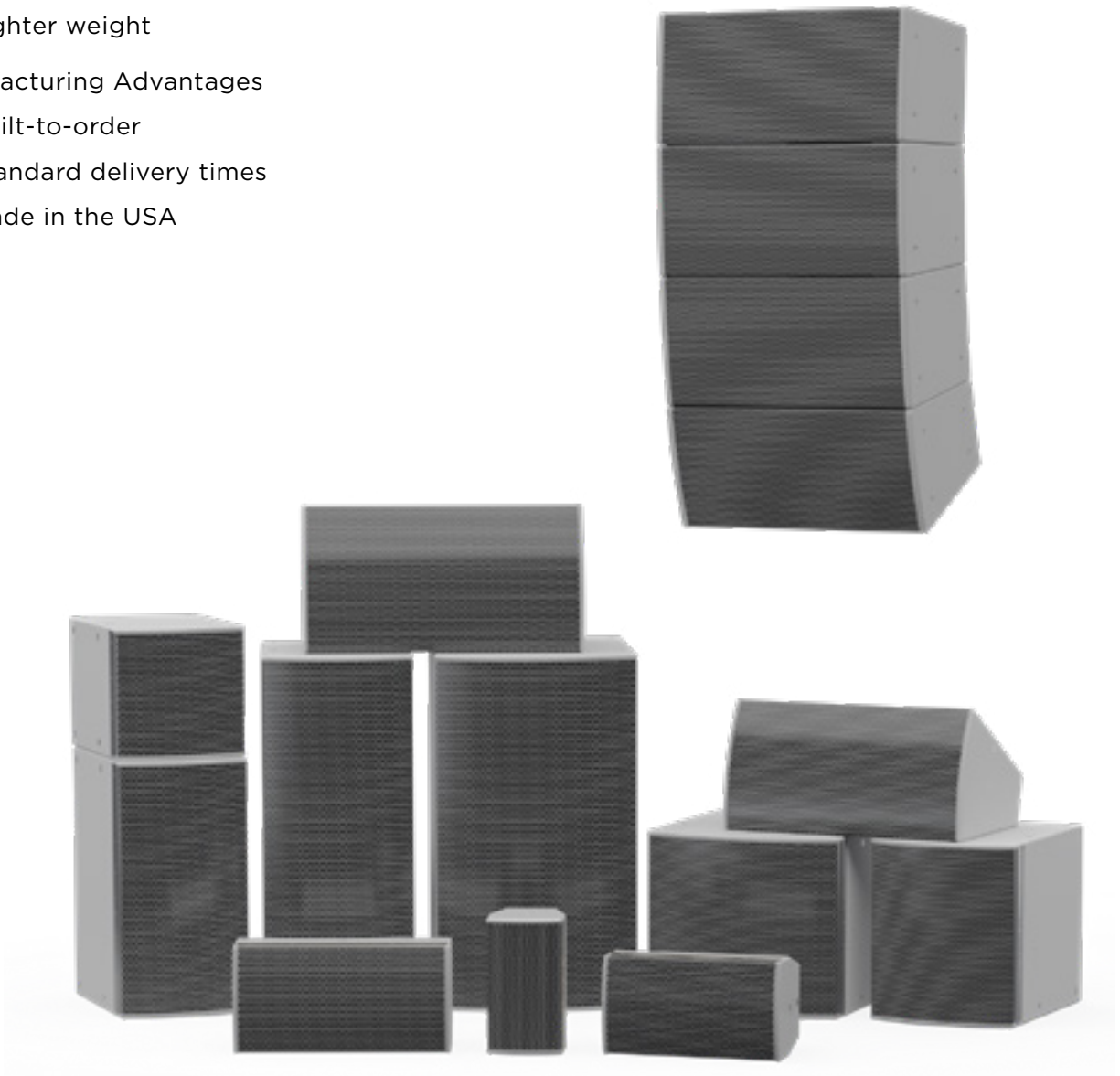
- Non-absorbent - will not deteriorate
- High-specific strength - excellent structural stability
- Thermal stability - will not change size or shape
- Extremely durable with high-impact resistance

Advantages vs. Fiberglass-Covered Plywood

- Equal acoustic performance and thermal insulation
- Will not crack or split
- Lighter weight

Manufacturing Advantages

- Built-to-order
- Standard delivery times
- Made in the USA





Seaport
Wildwood, New Jersey

VENUEPOLAR: SIMPLIFIED DESIGN FOR COMMUNITY IV6 AND LVH-900

VenuePolar™ is a custom plugin for EASE® Focus 3, developed to streamline the system design and configuration process for IV6 and LVH-900. The plugin is included with the IV6 GLL (v3.20 or later) and LVH GLL (v3.0 or later).

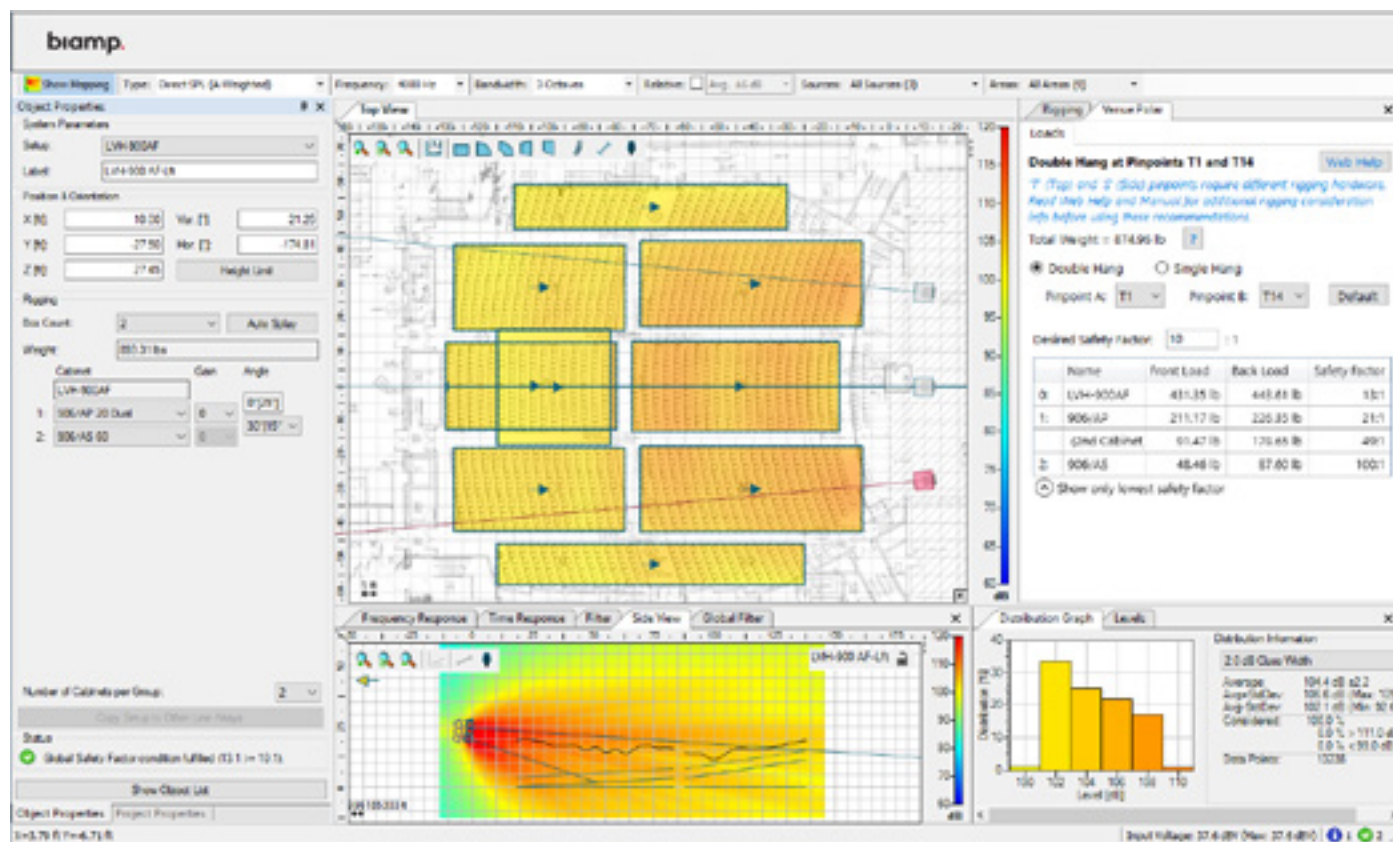
The designer simply enters the acoustic goals they need to achieve for their audience. VenuePolar then quickly calculates the number and types of speakers, frame angle, and splay angles to provide the most uniform coverage within the seating area.

VENUEPOLAR FOR LVH-900

1. Start Tab - Define your desired system performance
2. Array Tab - Shows the recommended array configuration
3. FIRmaker Filter Optimization - Fine tune the LVH array to better fit the coverage to the venue and reduce interference between cabinet patterns
4. Loads Tab - The rigging calculator tool calculates cable and fastener forces as a function of the array orientation and cable position
5. After you're done, create a report - The report includes information about the venue, the arrays, and their characteristics



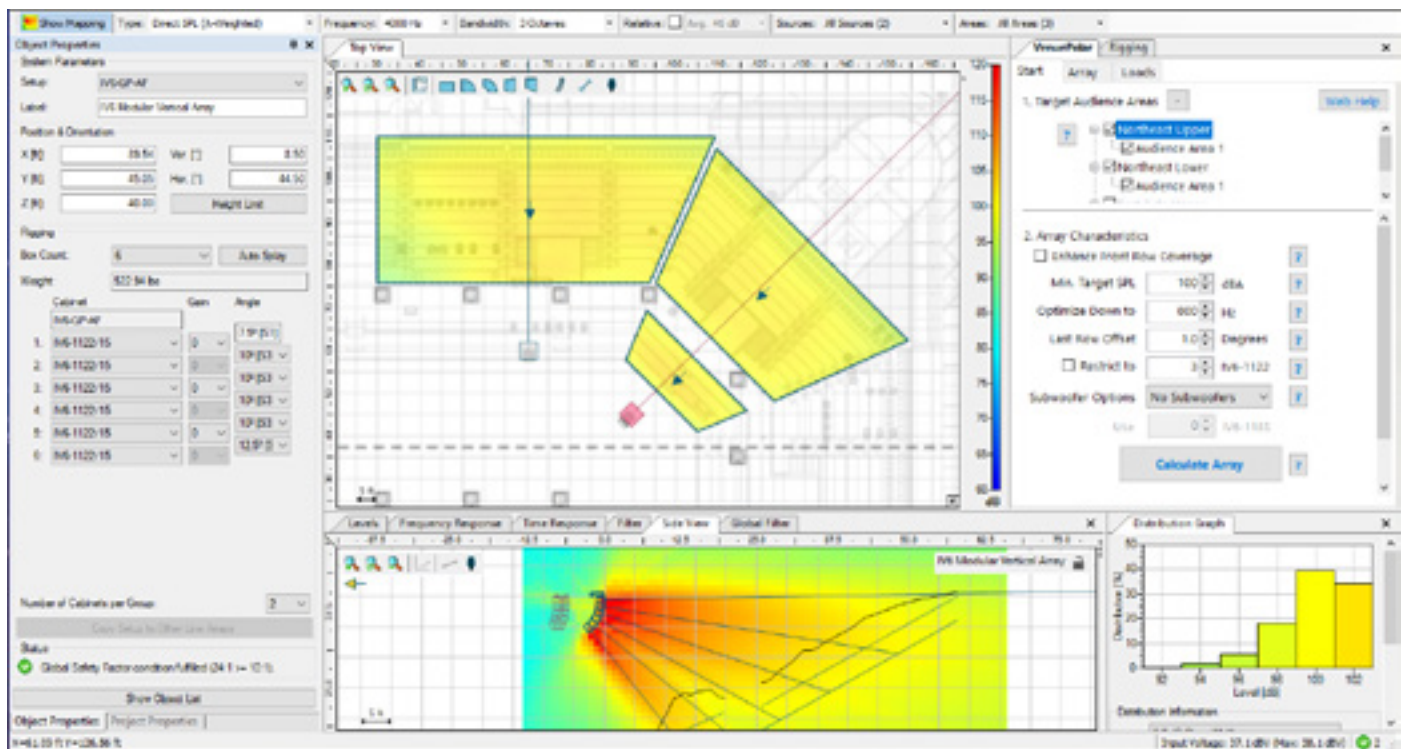
Download the [VenuePolar for LVH-900 Reference Guide](#) for more info.



VENUEPOLAR FOR IV6

1. Start Tab - Define your system performance
2. Array Tab - Shows the recommended array configuration
3. Loads Tab - Indicates if an array is too large
4. After you're done, create a report - Bill of materials in the report section provides a summary of quantities and types of loudspeakers, splay brackets and other accessories required in each array to simplify the ordering process

Download the [VenuePolar for IV6 Reference Guide](#) for more info.



BUSINESS AUDIO

Elegant loudspeakers engineered for high speech intelligibility and full music reproduction



Equally well-suited for background music, foreground music, and paging applications, our Desono™ family of loudspeakers ensure every space can enjoy the best sound reproduction capabilities on the market.

- Superb speech intelligibility with reduced distortion and uniform voicing
- Built-in transformers for low-impedance and constant voltage applications
- In-ceiling, surface mount, column, and pendant form factors
- Many models are IP-rated for outdoor applications such as patios or concourses
- Compression drivers on several models for enhanced upper frequency performance
- EN54-24 certified loudspeakers available in multiple form factors





Croatian Catholic University, Kunišćak Hall
Zagreb, Croatia

CEILING MOUNT

Designed to be heard and not seen, our low-profile ceiling mount loudspeakers provide dynamic sound ideal for background music, speech reproduction, and paging applications

CM Series

- Thin-edged, magnetically attached grille
- Tuned bass reflex port for optimized low-frequency performance
- Loudspeaker overload protection for 24/7 failsafe operation



C Series

- Two-way 6.5-inch conferencing loudspeaker
- Low-profile models available — less than 4 inches (102 mm) total depth
- TAA-compliant model available
- Bridge-mounted soft dome tweeter mechanically isolated from the low frequency driver
- Supports standard category cables and traditional speaker wiring for audio connections
- Directly integrates with Tesira™ AMP-450BP (PoE+ amplifier)



DX Series

- Edgeless magnetic grille design
- Low-profile models available — as little as 4 inches (102 mm) total depth
- TAA-compliant model available
- Fast and easy installation experience with new reinforced, spring-loaded plastic clamps with coarse threaded screws
- High intelligibility with exceptional uniform coverage
- Consistent dispersion up to 16 kHz
- True coaxial loudspeakers with HF compression drivers
- Patented Carbon Ring Cone Technology™
- Uniquely designed tile bridge support rails and snap-on C-ring support plates prevent sagging



BUSINESS AUDIO: CEILING MOUNT

							
	CM20DTS	CM30DTD	CM60DTD	C-IC6	C-IC6LP	C-IC6LP-TAA	DX-IC4LP
Loudspeaker Type	Two-way 4.25-inch ceiling loudspeaker	Two-way 4.25-inch ceiling loudspeaker	Two-way 6.5-inch ceiling loudspeaker	Two-way 6.5-inch ceiling loudspeaker	Two-way 6.5-inch low-profile ceiling loudspeaker	Two-way 6.5-inch low-profile ceiling loudspeaker	Two-way 4.5-inch ceiling loudspeaker (low profile)
Drivers	LF 1 x 4.25" HF 1 x 1"	LF 1 x 4.25" HF 1 x 1"	LF 1 x 6.5" HF 1 x 1"	LF 1 x 6.5" HF 1 x 1"	LF 1 x 6.5" HF 1 x 1"	LF 1 x 6.5" HF 1 x 1"	LF 1 x 4.5" HF 1 x 0.75"
Operating Range	90 Hz - 22 kHz	85 Hz - 22 kHz	75 Hz - 22 kHz	60 Hz - 20 kHz	63 Hz to 20 kHz	63 Hz to 20 kHz	115 Hz - 20 kHz
Sensitivity (1W/1m)	87 dB	87 dB	86 dB	87 dB	87 dB	87 dB	91 dB
Power Rating	40W Cont. 160W Peak	50W Cont. 200W Peak	60W Cont. 240W Peak	60W Cont. 240W Peak	60W Cont. 240W Peak	60W Cont. 240W Peak	60W Cont. 240W Peak
Max Output @1m	103 dB 109 dB Peak	104 dB 110 dB Peak	104 dB 110 dB Peak	105 dB	103 db 115 db peak	103 db 115 db peak	108 dB 118 dB Peak
Nominal Impedance	16Ω	16Ω	16Ω	8Ω	8Ω	8Ω	8Ω
Dispersion	150° H x 100° V	120° conical	150° conical	130° conical	145° conical	145° conical	165° conical
Transformer Taps	70V: 20W, 10W, 5W, 2.5W, 1.25W 100V: 20W, 10W, 5W, 2.5W	70V: 30W, 15W, 7.5W, 3.75W, 1.75W 100V: 30W, 15W, 7.5W, 3.75W	70V: 60W, 30W, 15W, 7.5W, 3.75W 100V: 60W, 30W, 15W, 7.5W	n/a	na	na	70V: 30W, 15W, 7.5W, 3.75W 100V: 30W, 15W, 7.5W
Environmental	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
RAL Color	White RAL 9010	White RAL 9010	White RAL 9010	Black RAL 9017 Red RAL 3028 White RAL 9016	Black RAL 9017 White RAL 9016	Black RAL 9017 White RAL 9016	White RAL 9016
Dimensions - Bezel Dia. x Total Depth	8.8" x 3.3" (223 x 84 mm)	8.8" x 5.2" (223 x 131 mm)	10.2" x 6.2" (258 x 157 mm)	10.9" x 5.9" (291 x 171 mm)	13.41" x 3.96" (341 mm x 101 mm)	13.41" x 3.96" (341 mm x 101 mm)	10.16" x 3.81" (258 x 97 mm)
Cutout Diameter	7.6" (193 mm)	7.6" (193 mm)	9.1" (232 mm)	9.75" (248 mm)	12.20" (310 mm)	12.20" (310 mm)	8.74" (222 mm)
Weight	4.4 lbs (2.0 kg)	5.5 lbs (2.5 kg)	8.8 lbs (4.0 kg)	7.8 lbs (3.5 kg)	9.1 lbs (4.12 kg)	9.1 lbs (4.12 kg)	5.8 lbs (2.66 kg)
Compliance	UL1480A, UL2043, CSA C22.2#62368-1	UL1480A, UL2043, CSA C22.2#62368-1	UL1480A, UL2043, CSA C22.2#62368-1	UL1480A, UL2043, CSA 22.2#62368-1, NFPA70, NFPA90	UL1480, UL2043, CSA62368-1, NFPA70, NFPA90	TAA, UL1480, UL2043, CSA62368-1, NFPA70, NFPA90	UL1480, UL2043, CSA62368-1, NFPA70, NFPA90

							
DX-IC4	DX-IC6	DX-IC6LP	DX-IC6LP-TAA	DX-IC6-B	DX-IC8	DX-IC10	DX-IC10SUB
Two-way 4.5-inch ceiling loudspeaker	Two-way 6.5-inch ceiling loudspeaker	Two-way 6.5-inch high efficiency low- profile ceiling loudspeaker	Two-way 6.5-inch high efficiency low- profile ceiling loudspeaker	Two-way 6.5-inch ceiling loudspeaker	Two-way 8-inch ceiling loudspeaker	Two-way 10-inch ceiling loudspeaker	10-inch ceiling subwoofer
LF 1 x 4.5" HF 1 x 0.75"	LF 1 x 6.5" HF 1 x 1"	LF 1 x 6.5" HF 1 x 1"	LF 1 x 6.5" HF 1 x 1"	LF 1 x 6.5" HF 1 x 1"	LF 1 x 8" HF 1 x 1.25"	LF 1 x 10" HF 1 x 1.25"	LF 1 x 10"
85 Hz - 19 kHz	90 Hz - 20 kHz	63 Hz to 20 kHz	63 Hz to 20 kHz	90 Hz - 20 kHz	75 Hz - 20 kHz	65 Hz - 20 kHz	39 Hz - 200 Hz
92 dB	94 dB	87 dB	87 dB	94 dB	93 dB	96 dB	88 dB
60W Cont. 240W Peak	120W Cont. 480W Peak	60W Cont. 240W Peak	60W Cont. 240W Peak	120W Cont. 480W Peak	175W Cont. 700W Peak	240W Cont. 960W Peak	200W Cont. 800W Peak
108 dB 118 dB Peak	114 dB 124 dB Peak	103 db 115 db peak	103 db 115 db peak	114 dB 124 dB Peak	116 dB 126 dB Peak	119 dB 131 dB Peak	111 dB 123 dB Peak
8Ω	6.5Ω	8Ω	8Ω	8Ω	7Ω	6.5Ω	8Ω
165° conical	140° conical	145° conical	145° conical	140° conical	115° conical	115° conical	omnidirectional
70V: 30W, 15W, 7.5W, 3.75W 100V: 30W, 15W, 7.5W	70V: 60W, 30W, 15W, 7.5W 100V: 60W, 30W, 15W	70V: 60W, 30W, 15W, 7.5W 100V: 60W, 30W, 15W	70V: 60W, 30W, 15W, 7.5W 100V: 60W, 30W, 15W	70V: 60W, 30W, 15W, 7.5W 100V: 60W, 30W, 15W	70V: 120W, 60W, 30W, 15W 100V: 120W, 60W, 30W	70V: 200W, 100W, 50W, 25W 100V: 200W, 100W, 50W	70V: 200W, 100W, 50W, 25W 100V: 200W, 100W, 50W
Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
White RAL 9016	White RAL 9016	White RAL 9016	White RAL 9016	Black RAL 9017	White RAL 9016	White RAL 9016	White RAL 9016
10.16" x 6.95" (258 x 176 mm)	11.46" x 6.75" (291 x 171 mm)	13.41" x 3.91" (341 mm x 99 mm)	13.41" x 3.91" (341 mm x 99 mm)	11.46" x 6.75" (291 x 171 mm)	13.43" x 8.51" (341 x 216 mm)	15.51" x 10.37" (394 x 263 mm)	15.51" x 10.37" (394 x 263 mm)
8.74" (222 mm)	10.25" (260 mm)	12.20" (310 mm)	12.20" (310 mm)	10.25" (260 mm)	12.20" (310 mm)	14.17" (360 mm)	14.17" (360 mm)
6.9 lbs (3.12 kg)	8.0 lbs (3.63 kg)	10.8 lbs (4.9 kg)	10.8 lbs (4.9 kg)	8.0 lbs (3.63 kg)	15.6 lbs (7.08 kg)	23.66 lb (10.73 kg)	22.1 lbs (10.0 kg)
UL1480, UL2043, CSA62368-1, NFPA70, NFPA90	UL1480, UL2043, CSA62368-1, NFPA70, NFPA90	UL1480, UL2043, CSA62368-1, NFPA70, NFPA90	TAA, UL1480, UL2043, CSA62368-1, NFPA70, NFPA90	UL1480, UL2043, CSA62368-1, NFPA70, NFPA90	UL1480, UL2043, CSA62368-1, NFPA70, NFPA90	UL1480, UL2043, CSA62368-1, NFPA70, NFPA90	UL1480, UL2043, CSA62368-1, NFPA70, NFPA90

DESONO CEILING LOUDSPEAKER ACCESSORIES

Sophisticated new accessories for all Desono ceiling loudspeakers ensure easy, consistent installation experiences, regardless of application.

The suite includes new construction brackets; installation trim rings; black grilles; 48" tile rails; and high humidity grilles, ensuring that in addition to meeting the standard City of Chicago regulatory compliance requirements, it's also fully equipped to overcome any design challenges.



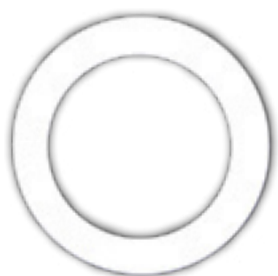
Black Grilles



New Construction Brackets



48" Tile Rails



Trim Rings



High Humidity Grilles



BUSINESS AUDIO: DESONO CEILING SPEAKER ACCESSORIES

	 24" (600MM) TILE RAILS	 48" (1200MM) TILE RAILS	 NEW CONSTRUCTION BRACKET	 TRIM RING	 WHITE GRILLE	 BLACK GRILLE	 HIGH HUMIDITY GRILLE (WHITE)	 SQUARE GRILLE (WHITE)
	DROP-CEILING ACCESSORIES		NEW CONSTRUCTION & HARD CEILING ACCESSORIES		GRILLES			
CM10TB	Included	SPA-RAIL48	SPA-NC100	SPA-TR100	N/A	N/A	N/A	N/A
CM20DTS	Included	SPA-RAIL48	SPA-NC100	SPA-TR100	Included	SPA-GRB100	SPA-GHH100	SPA-GSQ100
CM30DTD	Included	SPA-RAIL48	SPA-NC100	SPA-TR100	Included	SPA-GRB100	SPA-GHH100	SPA-GSQ100
CM60DTD	Included	SPA-RAIL48	SPA-NC200	SPA-TR200	Included	SPA-GRB200	SPA-GHH200	SPA-GSQ100
DX-IC4LP-W	Included	SPA-RAIL48	SPA-NC300	SPA-TR300	Included	SPA-GRB200	SPA-GHH200	N/A
DX-IC4-W	Included	SPA-RAIL48	SPA-NC400	SPA-TR300	Included	SPA-GRB200	SPA-GHH200	N/A
DX-IC6-W	Included	SPA-RAIL48	SPA-NC400	SPA-TR400	Included	SPA-GRB400	SPA-GHH400	N/A
DX-IC6-B	Included	SPA-RAIL48	SPA-NC400	SPA-TR400	N/A	Included	N/A	N/A
DX-IC6LP-TAA	Included	SPA-RAIL48	SPA-NC500	N/A	Included	SPA-GRB500	SPA-GHH500	N/A
DX-IC6LP-W	Included	SPA-RAIL48	SPA-NC500	N/A	Included	SPA-GRB500	SPA-GHH500	N/A
DX-IC8-W	Included	SPA-RAIL48	SPA-NC500	N/A	Included	SPA-GR500	SPA-GHH500	N/A
DX-IC10-W	Included	SPA-RAIL48	SPA-NC600	N/A	Included	SPA-GRB600	SPA-GHH600	N/A
DX-IC10SUB-W	Included	SPA-RAIL48	SPA-NC600	N/A	Included	SPA-GRB600	SPA-GHH600	N/A
C-IC6 White	Included	SPA-RAIL48	SPA-NC400	SPA-TR400	Included	N/A	N/A	N/A
C-IC6 Black	Included	SPA-RAIL48	SPA-NC400	SPA-TR400	N/A	Included	N/A	N/A
C-IC6LP-TAA	Included	SPA-RAIL48	SPA-NC500	N/A	Included	SPA-GRB510	SPA-GHH500	N/A
C-IC6LP-W	Included	SPA-RAIL48	SPA-NC500	N/A	Included	SPA-GRB510	SPA-GHH500	N/A

PENDANTS

Built to provide exceptional music and speech dispersion to rooms with high ceilings and large open areas, our pendant loudspeakers are attractively designed and easy to install, making them a popular choice for a wide variety of spaces.

P30DT & P60DT

- Installer-friendly end cap with cut-out slot and integrated magnetic closure; hides the tap selector and all cable connections
- Two toolless Gripple® cable fasteners are provided for a safe, secure, and fast installation
- Euroblock connector with permanent pass-through
- Tap switch allows for 70V/100V or 16-ohm low impedance operation
- Tuned bass reflex port for optimized low-frequency performance
- Loudspeaker overload protection for 24/7 failsafe operation



P6 & P6-SM

- Bridge-mounted soft dome tweeter mechanically isolated from the low frequency driver
- IP54 rated for outdoor splash applications such as patios or concourses
- Magic Cable is pre-terminated inside the pendant to ensure no exposed connections at the loudspeaker; contains two hardened stainless steel cables and two audio conductors



DP6 & DP8

- Stylish, contoured contemporary pendant design
- Same components and voicing as the DX Series ceiling and surface mount loudspeakers
- Consistent, wide dispersion up to 16 kHz
- True coaxial loudspeakers with HF compression drivers
- Tru-Phase™ high-frequency waveguide
- Patented Carbon Ring Cone Technology™
- High-efficiency, high-output, high intelligibility, low distortion
- Paintable enclosure constructed of high-impact ABS plastic to reduce resonances



BUSINESS AUDIO: PENDANTS

	 P30DT	 P60DT	 DP6	 DP8	 P6	 P6-SM
Loudspeaker Type	Two-way 4.25-inch pendant mount loudspeaker	Two-way 6.5-inch pendant mount loudspeaker	Two-way 6.5-inch pendant mount loudspeaker	Two-way 8-inch pendant mount loudspeaker	Two-way 6.5-inch pendant mount loudspeaker	Two-way 6.5-inch pendant mount loudspeaker
Drivers	LF 1 x 4.25" HF 1 x 1"	LF 1 x 6.5" HF 1 x 1"	LF 1 x 6.5" HF 1 x 1"	LF 1 x 8" HF 1 x 1.25"	LF 1 x 6.5" HF 1 x 1"	LF 1 x 6.5" HF 1 x 1"
Operating Range	75 Hz - 20 kHz	75 Hz - 22 kHz	65 Hz - 22 kHz	60 Hz - 22 kHz	75 Hz - 18.5 kHz	75 Hz - 18.5 kHz
Sensitivity (1W/1m)	87 dB	89 dB	94 dB	95 dB	86 dB	87 dB
Power Rating	50W Cont. 200W Peak	60W Cont. 240W Peak	100W Cont. 400W Peak	150W Cont. 600W Peak	60W Cont. 240W Peak	60W Cont. 240W Peak
Max Output @1m	104 dB 110 dB Peak	107 dB 113 dB Peak	114 dB 120 dB Peak	117 dB 123 dB Peak	104 dB 110 dB Peak	105 dB 111 dB Peak
Nominal Impedance	16Ω	16Ω	8Ω	8Ω	6Ω	6Ω
Dispersion	120° conical	120° conical	125° conical	115° conical	90° conical	90° conical
Transformer Taps	70V: 30W, 15W, 7.5W, 3.75W, 1.75W 100V: 30W, 15W, 7.5W, 3.75W	70V: 60W, 30W, 15W, 7.5W, 3.75W 100V: 60W, 30W, 15W, 7.5W	70V: 60W, 30W, 15W, 7.5W 100V: 60W, 30W, 15W	70V: 120W, 60W, 30W, 15W 100V: 120W, 60W, 30W	70V: 60W, 30W, 15W, 7.5W, 3.75W, 1.875W 100V: 60W, 30W, 15W, 7.5W, 3.75W	70V: 60W, 30W, 15W, 7.5W, 3.75W, 1.875W 100V: 60W, 30W, 15W, 7.5W, 3.75W
Environmental	Indoor	Indoor	Indoor	Indoor	IP54 per IEC 60529	IP54 per IEC 60529
RAL Color	Black RAL 9010 White RAL 9011	Black RAL 9010 White RAL 9011	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003	Black RAL 9017 White RAL 9016	Black RAL 9017 White RAL 9016
Dimensions H x Dia.	8.8" x 9.2" (223 x 233 mm)	10.4" x 10.9" (265 x 276 mm)	14.7" x 11.2" (374 x 285 mm)	17.7" x 13.4" (450 x 340 mm)	15.6" x 9.4" (397 x 238 mm)	5.5" x 11.5" (139 x 292 mm)
Weight	5.7 lbs (2.6 kg)	8.5 lbs (3.9 kg)	11.8 lbs (5.4 kg)	16.5 lbs (7.5 kg)	11 lbs (5.0 kg)	11 lbs (5.0 kg)
Compliance	UL1480A, CSA C22.2#62368-1	UL1480A, CSA C22.2#62368-1	UL1480, CSA60065	UL1480, CSA60065	UL1480A, CSA C22.2#62368-1, CSA C22.2#60950-22, Magic Cable: UL13, Class 3	UL1480A, CSA C22.2#62368-1, CSA C22.2#60950-22, Magic Cable: UL13, Class 3

SURFACE MOUNT

Stylishly designed and compact in construction, our surface mount loudspeakers allow for easy integration within any interior space without compromising on sound quality.

KUBO Series

- High speech intelligibility coupled with full-range music reproduction
- Stylish yet subtle design; blends well in many environments
- Can be mounted to track lighting rails through innovative optional accessories
- Magnetically attached end caps hide audio connections and bracket hardware



MASK Series

- IP64-rated for outdoor applications like patios or concourses
- Waterproof connector sealing for outdoor applications
- Innovative ClickMount™ bracket allows all audio connections to be made at the bracket
- Integrated spirit level for fast, hassle-free positioning and mounting
- Loudspeaker overload protection for 24/7 failsafe operation



DX Series

- Attractive, discreet and modern aesthetics
- Same components and voicing as the DX Series ceiling loudspeakers
- Outdoor ready and indoor elegant
- Impact-resistant polymer cabinet
- Marine grade aluminum grilles
- The included ClickMount pan-tilt bracket provides indexed aiming control and allows for mounting DX Series quickly in either vertical or horizontal position without moving the bracket position



EX Series

- Exceptional audio clarity with small footprint and attractive styling
- Uniform coverage from coaxially mounted HF/LF drivers
- 5-position switch selects 70V/100V taps or low impedance bypass
- Mounting flexibility with included CMX ClickMount pan-tilt mounting bracket
- The ClickMount U-Bracket is also available for low-profile mounting or exterior use and includes the ClickPlug with integrated gland nut for weather-resistant applications
- Both brackets are theft and tamper resistant



red dot award
product design 2022

BUSINESS AUDIO: SURFACE MOUNT

	 KUB03	 KUB03T	 KUB05	 KUB05T	 MASK2	 MASK4C	 MASK4CT	 MASK6C
Loudspeaker Type	3-inch surface mount loudspeaker	3-inch surface mount loudspeaker	Two-way 5.25-inch surface mount loudspeaker	Two-way 5.25-inch surface mount loudspeaker	2.5-inch surface mount loudspeaker	Two-way 4.25-inch surface mount loudspeaker	Two-way 4.25-inch surface mount loudspeaker	Two-way 6.5-inch surface mount loudspeaker
Drivers	1 x 3"	1 x 3"	LF 1 x 5.25" HF 1 x 1"	LF 1 x 5.25" HF 1 x 1"	1 x 2.5" paper cone	LF 1 x 4.25" HF 1 x 1"	LF 1 x 4.25" HF 1 x 1"	LF 1 x 6.5" HF 1 x 1"
Operating Range	115 Hz - 20 kHz	115 Hz - 20 kHz	115 Hz - 20 kHz	94 Hz - 20 kHz	125 Hz - 22 kHz	70 Hz - 22 kHz	70 Hz - 22 kHz	65 Hz - 22 kHz
Sensitivity (1W/1m)	84 dB	86 dB	84 dB	87 dB	84 dB	89 dB	88 dB	89 dB
Power Rating	25W Cont. 100W Peak	25W Cont. 100W Peak	50W Cont. 200W Peak	50W Cont. 200W Peak	35W Cont. 140W Peak	50W Cont. 200W Peak	50W Cont. 200W Peak	150W Cont. 600W Peak
Max Output @1m	98 dB 104 dB Peak	100 dB 106 dB Peak	101 dB 107 dB Peak	104 dB 110 dB Peak	99 dB 105 dB Peak	106 dB 112 dB Peak	105 dB 111 dB Peak	111 dB 117 dB Peak
Nominal Impedance	8Ω	16Ω	8Ω	16Ω	8Ω	8Ω	16Ω	8Ω
Dispersion (H x V)	100° conical	100° conical	70° conical	80° conical	110° conical	100° x 80°	100° x 70°	100° x 50°
Transformer Taps	n/a	70V: 10W, 5W, 2.5W, 1.25W 100V: 10W, 5W, 2.5W	n/a	70V: 30W, 15W, 7.5W, 3W, 1.5W 100V: 30W, 15W, 6W, 3W	n/a	n/a	70V: 20W, 10W, 5W, 2.5W, 1.25W 100V: 20W, 10W, 5W, 2.5W	n/a
Environmental	IP40 per IEC 60529	IP40 per IEC 60529	IP40 per IEC 60529	IP40 per IEC 60529	IP60 per IEC 60529	IP64 per IEC 60529	IP64 per IEC 60529	IP64 per IEC 60529
RAL Color	Black RAL 9011 White RAL 9016	Black RAL 9011 White RAL 9016	Black RAL 9011 White RAL 9016	Black RAL 9011 White RAL 9016	Black RAL 9011 White RAL 9016	Black RAL 9011 White RAL 9016	Black RAL 9011 White RAL 9016	Black RAL 9011 White RAL 9016
Dimensions H x W x D	4.9" x 5.2" x 4.3" (125 x 131 x 109 mm)	4.9" x 5.2" x 4.3" (125 x 131 x 109 mm)	6.1" x 6.4" x 5.3" (155 x 164 x 136 mm)	6.1" x 6.4" x 5.3" (155 x 164 x 136 mm)	3.7" x 3.2" x 4.3" (94 x 82 x 108 mm)	9.4" x 5.7" x 5.7" (238 x 144 x 144 mm)	9.4" x 5.7" x 5.7" (238 x 144 x 144 mm)	12.9" x 7.8" x 7.5" (328 x 198 x 190 mm)
Weight	2.1 lbs (1 kg)	2.6 lbs (1.2 kg)	3.7 lbs (1.7 kg)	4.4 lbs (2 kg)	1.1 lbs (0.5 kg)	5 lbs (2.3 kg)	5 lbs (2.3 kg)	9.7 lbs (4.4 kg)
Compliance	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

*Not Available in US & Canada

							
MASK6CT	MASK8F*	DX-S5	DX-S8	EX-S6	EX-S8	EX-S10	EX-S10SUB
Two-way 6.5-inch surface mount loudspeaker	Two-way 8-inch surface mount loudspeaker	Two-way, 5-inch surface mount loudspeaker	Two-way 8-inch surface mount loudspeaker	Two-way 6.5-inch surface mount loudspeaker	Two-way 8-inch surface mount loudspeaker	Two-way 10-inch surface mount loudspeaker	10-inch surface mount subwoofer
LF 1 x 6.5" HF 1 x 1"	LF 1 x 8" HF 1 x 1"	LF 1 x 5" HF 1 x 1"	LF 1 x 8" HF 1 x 1.25"	LF 1 x 6.5" HF 1 x 1"	LF 1 x 8" HF 1 x 1.4"	LF 1 x 10" HF 1 x 1.4"	LF 1 x 10"
65 Hz - 22 kHz	53 Hz - 22 kHz	75 Hz - 20 kHz	62 Hz - 18 kHz	58 Hz - 20 kHz	55 Hz - 20 kHz	48 Hz - 20 kHz	38 Hz - 140 Hz
90 dB	87 dB	91 dB	94 dB	89 dB	90 dB	91 dB	89 dB
150W Cont. 600W Peak	200W Cont. 800W Peak	100W Cont. 400W Peak	175W Cont. 700W Peak	200W Cont. 800W Peak	250W Cont. 1000W Peak	300W Cont. 1200W Peak	300W Cont. 1200W Peak
112 dB 118 dB Peak	110 dB 116 dB Peak	109 dB 117 dB Peak	116 dB 126 dB Peak	112 dB 118 dB Peak	115 dB 121 dB Peak	118 dB 124 dB Peak	112 dB 118 dB Peak (UXO 80 Hz)
16Ω	8Ω	6Ω	7Ω	8Ω	8Ω	8Ω	8Ω
100° x 50°	100° x 80°	130° x 125°	110° x 110°	120° x 120°	105° x 105°	100° x 100°	omnidirectional
70V: 60W, 30W, 15W, 7.5W, 3W 100V: 60W, 30W, 15W, 6W	n/a	70V: 60W, 30W, 15W, 7.5W 100V: 60W, 30W, 15W	70V: 120W, 60W, 30W, 15W 100V: 120W, 60W, 30W	70V: 80W, 40W, 20W, 10W 100V: 80W, 40W, 20W	70V: 80W, 40W, 20W, 10W 100V: 80W, 40W, 20W	70V: 120W, 60W, 30W, 15W 100V: 120W, 60W, 30W	n/a
IP64 per IEC 60529	Indoor	IP54 per IEC 60529, IEC 60068-2-5 (Solar Radiation), IEC 60068-2-11 (Salt Mist), IEC 60068-2-42 (SO2), IEC 60068-2- 60 (Chlorine)	IP54 per IEC 60529, IEC 60068-2-5 (Solar Radiation), IEC 60068-2-11 (Salt Mist), IEC 60068-2-42 (SO2), IEC 60068-2- 60 (Chlorine)	IP54 per IEC 60529, IEC 60068-2-5 (Solar Radiation), IEC 60068-2-11 (Salt Mist), IEC 60068-2-42 (SO2), IEC 60068-2- 60 (Chlorine)	IP54 per IEC 60529, IEC 60068-2-5 (Solar Radiation), IEC 60068-2-11 (Salt Mist), IEC 60068-2-42 (SO2), IEC 60068-2- 60 (Chlorine)	IP54 per IEC 60529, IEC 60068-2-5 (Solar Radiation), IEC 60068-2-11 (Salt Mist), IEC 60068-2-42 (SO2), IEC 60068-2- 60 (Chlorine)	IP54 per IEC 60529, IEC 60068-2-5 (Solar Radiation), IEC 60068-2-11 (Salt Mist), IEC 60068-2-42 (SO2), IEC 60068-2- 60 (Chlorine)
Black RAL 9011 White RAL 9016	Black RAL 9011 White RAL 9003	Black RAL 9017 White RAL 9016	Black RAL 9017 White RAL 9016	Black RAL 9017 White RAL 9016	Black RAL 9017 White RAL 9016	Black RAL 9017 White RAL 9016	Black RAL 9017 White RAL 9016
12.9" x 7.8" x 7.5" (328 x 198 x 190 mm)	16.2" x 9.8" x 9.8" (411 x 250 x 250 mm)	11.03" x 7.09" x 7.28" (280 x 180 x 185 mm)	15.16" x 10.04" x 10.24" (385 x 255 x 260 mm)	13.7" x 8.5" x 8.6" (349 x 217 x 220 mm)	18" x 10.2" x 10.4" (458 x 260 x 263 mm)	20.8" x 12.2" x 12.3" (529 x 310 x 312 mm)	20.8" x 12.2" x 12.3" (529 x 310 x 312 mm)
9.7 lbs (4.4 kg)	19.8 lbs (9.0 kg)	10.3 lbs (4.7 kg)	17 lbs (7.71 kg)	14.4 lbs (6.5 kg)	24.73 lbs (11.2 kg)	33.43 lbs (15.2 kg)	28.26 lbs (12.8 kg)
n/a	n/a	CSA 62368-1	CSA 62368-1	UL1480A, CSA STD C22.2# 62368-1, EN54-24, ISO 7240-24, IEC 62368-1	UL1480A, CSA STD C22.2# 62368-1, EN54-24, ISO 7240-24, IEC 62368-1	UL1480A, CSA STD C22.2# 62368-1, EN54-24, ISO 7240-24, IEC 62368-1	UL1480A, CSA STD C22.2# 62368-1, EN54-24, ISO 7240-24, IEC 62368-1

LOW-PROFILE, INDEXING MOUNTING BRACKETS

ClickMount™ brackets provide installers with distinct mounting options and are designed for use with Desono MASK, EX and DX surface mount loudspeakers.

ClickMount Pan-Tilt Bracket for MASK

- Pre-mounted bracket, pre-assembled for convenience
- Fits on all flat surfaces
- Tool-less click-to-mount install
- Pre-defined clicks for perfect repeatable aiming
- Mount in portrait or landscape orientation
- 35% time decrease on install



CMX ClickMount Pan-Tilt Brackets for EX and DX

These brackets feature a tamper-proof aiming lock mechanism, theft-deterrent loudspeaker-to-bracket locking, and a watertight interface that seals all connections from moisture.

- All the benefits of ClickMount, plus:
- Tamper-proof aiming lock mechanism
- Theft-deterrent loudspeaker-to-bracket locking mechanism
- Flexible wiring bracket



ClickMount U-Brackets for EX, optional accessory for DX

Perfect for use in horizontal or vertical installations, these brackets feature a rotatable, tool-free locking mechanism and a watertight wiring connector with gland nut.

- Low-profile design keeps loudspeakers as close to the wall as possible
- Indexing teeth on loudspeaker and bracket provide consistent, repeatable aiming angle
- Integrated hex screw for vandal and theft protection
- Multiple slots and holes on yoke provide secure connections to any surface

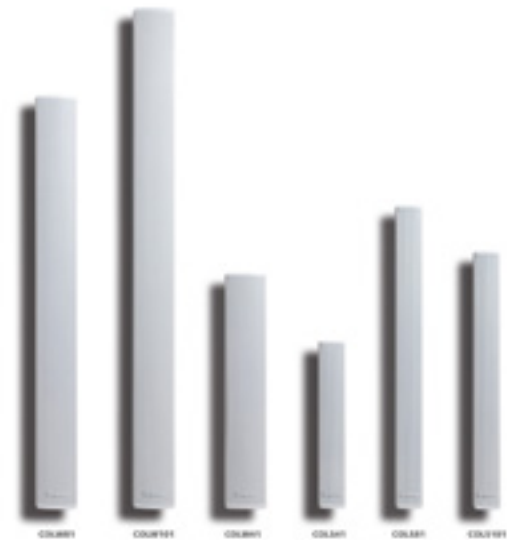


COLUMN LOUDSPEAKERS

Engineered to provide extraordinary sound reproduction within difficult acoustic environments, our column loudspeakers enable music and speech reproduction of unparalleled clarity.

COL Series

- Extra slim design
- Advanced technology guarantees optimized sound dispersion
- Standard installation tools and wall bracket included



E Series ENT200 Point Source

- Advanced passive crossover technology and dynamic protection circuitry
- Compact Ribbon Emulator high frequency technology for narrow, well-behaved vertical directivity control
- All-weather construction for indoor/outdoor usage
- Simple installation using the included pan-tilt mounting bracket
- Selectable low impedance or 70V/100V operation



E Series ENT-FR/LF Line Source

- Modular design for versatile coverage, free of unwanted lobes
- Wide-frequency range and high-output level
- Highly intelligible voice reproduction and excellent musical sound quality
- Stylish, unobtrusive appearance
- Weather-resistant for outdoor installation
- Simple installation using a variety of versatile mounting accessories
- Integrated T-Bar mounting bracket included with each column



BUSINESS AUDIO: COLUMN LOUDSPEAKERS

	 COLS41*	 COLS81*	 COLS101*	 COLW41*	 COLW81*	 COLW101*
Loudspeaker Type	Two-way 4 x 2-inch column loudspeaker	Two-way 8 x 2-inch column loudspeaker	Two-way 10 x 2-inch column loudspeaker	Two-way 4 x 3.3-inch column loudspeaker	Two-way 8 x 3.3-inch column loudspeaker	Two-way 10 x 3.3-inch column loudspeaker
Drivers	LF 4 x 2" HF 1 x 1"	LF 8 x 2" HF 1 x 1"	LF 10 x 2" HF 1 x 1"	LF 4 x 3.3" HF 1 x 1"	LF 8 x 3.3" 1 x 1"	LF 10 x 3.3" 1 x 1"
Operating Range	175 Hz - 22 kHz	185 Hz - 22 kHz	195 Hz - 22 kHz	155 Hz - 16 kHz	165 Hz - 17 kHz	165 Hz - 18 kHz
Sensitivity (1W/1m)	87 dB	89 dB	91 dB	94 dB	97 dB	99 dB
Power Rating	20W Cont. 80W Peak	30W Cont. 120W Peak	30W Cont. 120W Peak	40W Cont. 160W Peak	80W Cont. 320W Peak	100W Cont. 400W Peak
Max Output @1m	100 dB 106 dB Peak	104 dB 110 dB Peak	106 dB 112 dB Peak	110 dB 116 dB Peak	116 dB 122 dB Peak	119 dB 125 dB Peak
Nominal Impedance	8Ω	16Ω	8Ω	16Ω	8Ω	8Ω
Dispersion (H x V)	150° x 20°	120° x 15°	120° x 10°	100° x 15°	100° x 10°	100° x 8°
Transformer Taps	70V: 20W, 10W, 5W, 2.5W 100V: 20W, 10W, 5W	70V: 30W, 15W, 7.5W, 3W 100V: 30W, 15W, 7.5W	70V: 40W, 20W, 10W, 5W 100V: 40W, 20W, 10W	70V: 40W, 30W, 15W, 7.5W 100V: 40W, 30W, 15W	70V: 80W, 40W, 20W, 15W 100V: 80W, 40W, 30W	70V: 100W, 60W, 40W, 20W 100V: 100W, 60W, 40W
Environmental	IP66 per IEC 60529	IP66 per IEC 60529	IP66 per IEC 60529	IP66 per IEC 60529	IP66 per IEC 60529	IP66 per IEC 60529
RAL Color	White RAL 9016	White RAL 9016	White RAL 9016	White RAL 9016	White RAL 9016	White RAL 9016
Dimensions H x W x D	15.7" x 2.6" x 2.6" (400 x 66 x 66 mm)	24.2" x 2.6" x 2.6" (614 x 66 x 66 mm)	28.4" x 2.6" x 2.6" (721 x 66 x 66 mm)	21.9" x 3.9" x 3.3" (555 x 100 x 83 mm)	38.3" x 3.9" x 3.3" (974 x 100 x 83 mm)	46.5" x 3.9" x 3.3" (1180 x 100 x 83 mm)
Weight	4.4 lbs (2.0 kg)	6.4 lbs (2.9 kg)	7.3 lbs (3.3 kg)	8.6 lbs (3.9 kg)	14.8 lbs (6.7 kg)	17 lbs (7.7 kg)

*Not Available in US & Canada

 ENT203	 ENT206	 ENT212	 ENT220	 ENT-FR	 ENT-LF
Two-way 3 x 3.15-inch column point source loudspeaker	Two-way 6 x 3.15-inch column point source loudspeaker	Two-way 12 x 3.15-inch column point source loudspeaker	Two-way 20 x 3.15-inch column point source loudspeaker	Three-way 6 x 3.5-inch column line source loudspeaker	Low frequency column
LF 3 x 3.15" HF 1 x 3-element CRE	LF 6 x 3.15" HF 2 x 3-element CRE	LF 12 x 3.15" HF 4 x 3-element CRE	LF 20 x 3.15" HF 4 x 3-element CRE	LF 6 x 3.5" MF 18 x 2.35" HF 6 x 7" CRE	LF 6 x 3.5"
150 Hz - 22 kHz	120 Hz - 22 kHz	100 Hz - 22 kHz	80 Hz - 22 kHz	200 Hz - 20 kHz	200 Hz - 1.6 kHz
92 dB	94 dB	97 dB	99 dB	Curved (12°V): 93 dB Straight (6°V): 95 dB	90 dB
75W Cont. 300W Peak	150W Cont. 600W Peak	325W Cont. 1300W Peak	500W Cont. 2000W Peak	600W Cont. 2400W Peak	600W Cont. 2400W Peak
111 dB 117 dB Peak	116 dB 122 dB Peak	122 dB 128 dB Peak	126 dB 132 dB Peak	Curved (12°V): 120 dB Straight (6°V): 122 dB	116 dB
16Ω	8Ω	8Ω	8Ω	12Ω	12Ω
140° x 40°	140° x 20°	140° x 15°	140° x 15°	Horizontal: 120° Vertical: 12° or 6° (user configurable)	Using ENT-LF columns with ENT-FR enhances vertical pattern control at lower frequencies
70V: 30W, 15W, 7.5W, 3.75W, 1.88W 100V: 30W, 15W, 7.5W, 3.75W	70V: 60W, 30W, 15W, 7.5W, 3.75W 100V: 60W, 30W, 15W, 7.5W	70V: 120W, 60W, 30W, 15W, 7.5W 100V: 120W, 60W, 30W, 15W	70V: 120W, 60W, 30W, 15W, 7.5W 100V: 120W, 60W, 30W, 15W	n/a	n/a
IP54 per IEC 60529, Designed to MIL-STD-810G	IP54 per IEC 60529, Designed to MIL-STD-810G	IP54 per IEC 60529, Designed to MIL-STD-810G	IP54 per IEC 60529, Designed to MIL-STD-810G	IP54 per IEC 60529, Designed to MIL-STD-810G	IP54 per IEC 60529, Designed to MIL-STD-810G
Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003
10.34" x 4.63" x 7.48" (263 x 118 x 190 mm)	19.93" x 4.63" x 7.48" (506 x 118 x 190 mm)	39.11" x 4.63" x 7.48" (993 x 118 x 190 mm)	64.69" x 4.63" x 7.48" (1643 x 118 x 190 mm)	44.5" x 5.5" x 7.4" (1129 x 140 x 187 mm)	44.5" x 5.5" x 7.4" (1129 x 140 x 187 mm)
9 lbs (4.1 kg)	15 lbs (6.8 kg)	28 lbs (12.7 kg)	41 lbs (18.6 kg)	40 lbs (18 kg)	25 lbs (11.3 kg)

SUBWOOFERS

A critical component for achieving truly full sound, our subwoofers deliver deep bass in low-profile packages.

SUBLIME

- Ultra-compact passive 6.5" dual coil subwoofer
- The thinnest subwoofer on the market allows for easy integration into any interior
- Ideal partner for the MASK2, KUBO3, OVO3, CM3T, or CM
- Wall mounting brackets and installation template included



SUB2201

- Compact passive 10" subwoofer
- A smooth and punchy bass makes your music experience complete
- Fill your bar, restaurant, shop, or multipurpose room with full spectrum sound
- Ideal in combination with MASK and OVO



SUB2400

- Powerful passive dual 10" subwoofer
- Fill your bar, club, pool house, or restaurant with incredibly punchy bass
- Ideal in combination with MASK6 or MASK8
- Dual 10" woofers allow for faster, stronger responses than single 15" subwoofers



BUSINESS AUDIO: SUBWOOFERS

	 SUBLIME	 SUB2201*	 SUB2400*
Loudspeaker Type	6.5-inch dual-coil, ultra-compact subwoofer	10-inch compact subwoofer	Dual 10-inch subwoofer
Drivers	LF 1 x 6.5"	LF 1 x 10"	LF 2 x 10"
Operating Range	50 Hz - 200 Hz	45 Hz - 150 Hz	45 Hz - 150 Hz
Sensitivity (1W/1m)	85 dB	96 dB	99 dB
Power Rating	2 x 40W Cont. 160W Peak	125W Cont. 500W Peak	600W Cont. 2400W Peak
Max Output @1m	101 dB 107 dB Peak	114 dB 120 dB Peak	127 dB 133 dB Peak
Nominal Impedance	8Ω	4Ω	4Ω
Dispersion	Omnidirectional	Omnidirectional	Omnidirectional
Transformer Taps	n/a	n/a	n/a
Environmental	IP20 per IEC 60529	Indoor	IP20 per IEC 60529
RAL Color	Black RAL 9011 White RAL 9003	Black RAL 9011	Black RAL 9011 White RAL 9003
Dimensions H x W x D	16.5" x 4.7" x 18.5" (420 x 120 x 470 mm)	23.6" x 11.8" x 15" (600 x 300 x 380 mm)	27.6" x 13.9" x 17.7" (700 x 352 x 450 mm)
Weight	17.6 lbs (8 kg)	40.8 lbs (18.5 kg)	64.4 lbs (29.2 kg)

*Not Available in US & Canada

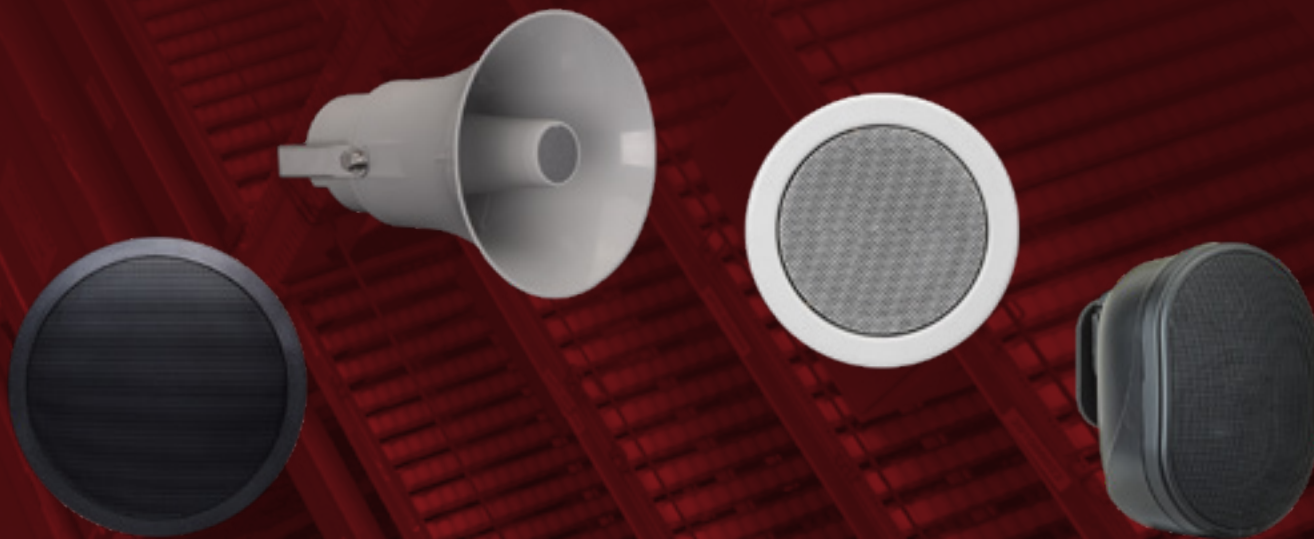
COMMERCIAL LOUDSPEAKERS

Installer-friendly loudspeakers intended for large-scale distributed deployments



Our commercial loudspeakers are designed for easy installation in a variety of establishments including retail stores, restaurants, bars and clubs, and hospitality venues. With a wide array of loudspeaker solutions, our products allow you to design a system to meet your specifications, no matter the application.

- In-ceiling, surface mount, column, and pendant form factors
- Built-in transformers for low impedance and constant voltage applications
- Installer-friendly features to speed up installation time



CEILING MOUNT

Our Commercial ceiling loudspeaker systems deliver excellent sound performance in an elegant design that enables streamlined installation every time.

Drop Ceiling Series

- UL1480A and UL2043 certified
- Drops into standard 2'x2' ceiling grid
- Designed for the Vocia voice communication system
- The DC220T-M fits 600 mm x 600 mm ceiling grids while offering the same features as the DC220T.



CM Back Can Series

- UL1480A and UL2043 certified.
- Biamp's lowest cost back can speaker
- Designed for the Vocia voice communication system



CM Economy Series

- Ideal for quality speech, background music, safety messaging and paging
- Extremely fast and easy to install
- 100V only



CM Classic Series

- Excellent sound performance in an elegant design
- Ideal for background music and speech
- Wide range of 70V/100V and low impedance built-in loudspeakers for various applications



CM Design Series

- Shares the technical and acoustic specifications of the Classic Series
- The thin edge grille and integrated neodymium grille fixed magnets guarantee an easy, smooth and elegant integration in every environment
- 70V/100V and low impedance models



Ceiling Subwoofer

- Inconspicuous integration allows flat and deep bass without compromising space on the wall or floor
- Ideal partner for Commercial Round CM Classic Series: and OVO Series



MARINE Series

- Chlorine and saltwater proof marine ceiling loudspeakers
- Suitable for use in humid and hot conditions; yachts, cruise ships, swimming pools, and saunas
- 100V and low impedance models



COMMERCIAL LOUDSPEAKERS: CEILING MOUNT*

	 DC220T	 CM10TB	 CM3T	 CM4	 CM4T	 CM6E
Loudspeaker Type	6.5-inch 70V/100V Ceiling Tile Loudspeaker	5.5-inch 70V/110V Ceiling Mount Loudspeaker	3-inch 70V/100V ceiling loudspeaker	4-inch ceiling loudspeaker	4-inch 70V/100V ceiling loudspeaker	6.5-inch dual cone ceiling loudspeaker
Drivers	1 x 6.5"	1 x 5.5"	1 x 3" coated paper dual cone	1 x 4" coated paper dual cone	1 x 4" coated paper dual cone	1 x 6.5" paper dual cone
Operating Range	100 Hz to 18.5 Hz	120 Hz to 20 Hz	120 Hz - 18 kHz	100 Hz - 20 kHz	90 Hz - 19 kHz	70 Hz - 20 kHz
Sensitivity (1W/1m)	93 dB	94 dB	87 dB	88 dB	88 dB	91 dB
Power Rating	10W Cont. 40W Peak	10W Cont. 40W Peak	10W Cont. 40W Peak	15W Cont. 60W Peak	15W Cont. 60W Peak	15W Cont. 60W Peak
Max Output @1m	102 dB 114 db peak	103 db 115 db peak	99 dB 105 dB Peak	103 dB 109 dB Peak	103 dB 109 dB Peak	99 dB 105 dB Peak
Nominal Impedance	8Ω	8Ω	16Ω	16Ω	16Ω	4Ω
Dispersion	130° conical	145° conical	180° conical	180° conical	180° conical	180° conical
Transformer Taps	70 V: 10 W, 5 W, 2.5 W, 1.25 W, 0.625 W; 100 V: 10 W, 5 W, 2.5 W, 1.25 W	70 V: 10 W, 5 W, 2.5 W, 1.25 W, 0.625 W; 100 V: 10 W, 5 W, 2.5 W, 1.25 W	70V: 6W, 3W, 1.5W, 0.75W 100V: 6W, 3W, 1.5W	n/a	70V: 6W, 3W, 1.5W, 0.75W 100V: 6W, 3W, 1.5W	100V: 6W, 3W, 1.5W
Environmental	Indoor	Indoor	IP50	IP60	IP50	IP50
RAL Color	White RAL 9016	White RAL 9016	Black RAL 9011 White RAL 9010	Black RAL 9011 White RAL 9003	Black RAL 9011 White RAL 9010	White RAL 9010
Dimensions - Bezel Dia. x Total Depth	23.8" x 4.2" (603 mm x 107 mm)	8.8" x 6.3" (223 mm x 159 mm)	4.1" x 2.9" (105 x 74 mm)	5.3" x 4.2" (135 x 107 mm)	5.3" x 2.9" (135 x 74 mm)	8" x 2.8" (205 x 70 mm)
Cutout Diameter	NA. Replaces standard drop-in tile.	7.6" (193 mm)	3.3" (85 mm)	4.3" (108 mm)	4.3" (108 mm)	7.3" (186 mm)
Weight	16.3 lbs (7.4 kg)	4.6 lbs (2.1 kg)	0.77 lbs (0.35 kg)	1.74 lbs (0.79 kg)	1.52 lbs (0.69 kg)	1.65 lbs (0.75 kg)

*Not designed for use in US and Canada. Call for details.

						
CM6T	CM608	CM608D	CM20T	CM20DT	CMX20T	CMX20DT
Two-way 6.5-inch 70V/100V ceiling loudspeaker	Two-way 6.5-inch ceiling loudspeaker	Two-way 6.5-inch thin edge ceiling loudspeaker	Two-way 6.5-inch 70V/100V ceiling loudspeaker	Two-way 6.5-inch thin edge 70V/100V ceiling loudspeaker	Two-way 8-inch 70V/100V ceiling loudspeaker	Two-way 8-inch thin edge 70V/100V ceiling loudspeaker
LF 1 x 6.5" enforced polypropylene HF 1 x 1"	LF 1 x 6.5" enforced polypropylene HF 1 x 1"	LF 1 x 6.5" enforced polypropylene HF 1 x 1"	LF 1 x 6.5" enforced polypropylene HF 1 x 1"	LF 1 x 6.5" enforced polypropylene HF 1 x 1"	LF 1 x 8" enforced polypropylene HF 1 x 1"	LF 1 x 8" enforced polypropylene HF 1 x 1"
60 Hz - 20 kHz	60 Hz - 20 kHz	60 Hz - 20 kHz	60 Hz - 20 kHz	60 Hz - 20 kHz	50 Hz - 20 kHz	50 Hz - 20 kHz
87 dB	92 dB	92 dB	86 dB	86 dB	88 dB	88 dB
30W Cont. 120W Peak	40W Cont. 160W Peak	40W Cont. 160W Peak	30W Cont. 120W Peak	30W Cont. 120W Peak	50W Cont. 200W Peak	50W Cont. 200W Peak
105 dB 111 dB Peak	104 dB 110 dB Peak	104 dB 110 dB Peak	104 dB 110 dB Peak	104 dB 110 dB Peak	108 dB 114 dB Peak	108 dB 114 dB Peak
16Ω	8Ω	8Ω	16Ω	16Ω	16Ω	16Ω
180° conical	180° conical	180° conical	180° conical	180° conical	180° conical	180° conical
70V: 6W, 3W, 1.5W, 0.75W 100V: 6W, 3W, 1.5W	n/a	n/a	70V: 20W, 10W, 5W, 2.5W 100V: 20W, 10W, 5W	70V: 20W, 10W, 5W, 2.5W 100V: 20W, 10W, 5W	70V: 20W, 10W, 5W, 2.5W 100V: 20W, 10W, 5W	70V: 20W, 10W, 5W, 2.5W 100V: 20W, 10W, 5W
IP54	IP54	IP50	IP54	IP50	IP54	IP50
Black RAL 9011 White RAL 9010	Black RAL 9011 White RAL 9010	White RAL 9010	Black RAL 9011 White RAL 9010	White RAL 9010	Black RAL 9011 White RAL 9010	White RAL 9010
8" x 2.8" (205 x 75 mm)	8" x 3" (205 x 75 mm)	8.3" x 3" (210 x 75 mm)	8" x 3.1" (205 x 80 mm)	8.3" x 3.1" (210 x 80 mm)	9.6" x 3.4" (244 x 87 mm)	9.8" x 3.4" (250 x 87 mm)
7.3" (186 mm)	7.3" (186 mm)	7.3" (186 mm)	7.3" (186 mm)	7.3" (186 mm)	8.8" (223 mm)	8.8" (223 mm)
3.09 lbs (1.4 kg)	2.54 lbs (1.15 kg)	2.73 lbs (1.24 kg)	3.09 lbs (1.4 kg)	2.73 lbs (1.24 kg)	3.09 lbs (1.4 kg)	3.2 lbs (1.45 kg)

COMMERCIAL LOUDSPEAKERS: CEILING MOUNT*

	 CM1008	 CM1008D	 CMAR5-W	 CMAR5T-W
Loudspeaker Type	Two-way 8-inch ceiling loudspeaker	Two-way 8-inch thin edge ceiling loudspeaker	Two-way 5.25-inch marine ceiling loudspeaker	Two-way 5.25-inch 70V/100V marine ceiling loudspeaker
Drivers	LF 1 x 8" enforced polypropylene HF 1 x 1" tweeter	LF 1 x 8" enforced polypropylene HF 1 x 1" tweeter	LF 1 x 5.25" HF 1 x 1"	LF 1 x 5.25" HF 1 x 1"
Operating Range	50 Hz - 20 kHz	50 Hz - 20 kHz	85 Hz - 20 kHz	85 Hz - 20 kHz
Sensitivity (1W/1m)	90 dB	90 dB	88 dB	88 dB
Power Rating	60W cont. 240W Peak	60W cont. 240W Peak	25W cont. 100W Peak	25W cont. 100W Peak
Max Output @1m	107 dB 113 dB Peak	107 dB 113 dB Peak	100 dB 106 dB Peak	100 dB 106 dB Peak
Nominal Impedance	8Ω	8Ω	8Ω	8Ω
Dispersion	180° conical	180° conical	180° conical	180° conical
Transformer Taps	n/a	n/a	n/a	100V: 20W, 10W, 5W, 2.5W
Environmental	IP54	IP50	IP65	IP65
RAL Color	Black RAL 9011 White RAL 9010	White RAL 9010	White RAL 9003	White RAL 9003
Dimensions - Bezel Dia. x Total Depth	9.6" x 3.5" (244 x 90 mm)	9.8" x 3.5" (250 x 90 mm)	6" x 2.2" (152 x 55 mm)	6" x 2.2" (152 x 55 mm)
Cutout Diameter	8.8" (223 mm)	8.8" (223 mm)	4.4" (113 mm)	4.4" (113 mm)
Weight	2.43 lbs (1.1 kg)	2.73 lbs (1.24 kg)	1.32 lbs (0.6 kg)	2.53 lbs (1.15 kg)

*Not designed for use in US and Canada. Call for details.

 CMAR6-W	 CMAR6T-W	 CMAR8-W	 CMAR8T-W	 CMSUB8
Two-way 6.5-inch marine ceiling loudspeaker	Two-way 6.5-inch 70V/100V marine ceiling loudspeaker	Two-way 8-inch marine ceiling loudspeaker	Two-way 8-inch 70V/100V marine ceiling loudspeaker	8-inch dual coil ceiling subwoofer
LF 1 x 6.5" HF 1 x 1"	LF 1 x 6.5" HF 1 x 1"	LF 1 x 8" HF 1 x 1"	LF 1 x 8" HF 1 x 1"	LF 1 x 8" dual coil coated paper
78 Hz - 20 kHz	78 Hz - 20 kHz	55 Hz - 20 kHz	55 Hz - 20 kHz	50 Hz - 200 Hz
89 dB	89 dB	88 dB	88 dB	88 dB
30W cont. 120W Peak	30W cont. 120W Peak	50W cont. 200W Peak	50W cont. 200W Peak	2 x 40W cont. 160W Peak
104 dB 110 dB Peak	104 dB 110 dB Peak	107 dB 113 dB Peak	107 dB 113 dB Peak	107 dB 113 dB Peak
8Ω	8Ω	8Ω	8Ω	2 x 8Ω
180° conical	180° conical	180° conical	180° conical	Omnidirectional
n/a	100V: 20W, 10W, 5W, 2.5W	n/a	100V: 20W, 10W, 5W, 2.5W	n/a
IP65	IP65	IP65	IP65	IP54
White RAL 9003	White RAL 9003	White RAL 9003	White RAL 9003	White RAL 9003
7.5" x 2.4" (190 x 61 mm)	7.5" x 2.4" (190 x 61 mm)	8.7" x 3" (220 x 76 mm)	8.7" x 3" (220 x 76 mm)	9.7" x 3.8" (246 x 97 mm)
5.9" (151 mm)	5.9" (151 mm)	7.2" (184 mm)	7.2" (184 mm)	8.8" (223 mm)
2.2 lbs (1 kg)	3.24 lbs (1.47 kg)	3.3 lbs (1.5 kg)	4.48 lbs (2.03 kg)	4.6 lbs (2.1 kg)

SURFACE MOUNT LOUDSPEAKERS

Designed for a wide variety of applications, our family of Commercial surface mount loudspeakers ensure high quality sound at an affordable price.

OVO Series

- Ideal for background music and paging
- 70V/100V and low impedance models



OVO Active Speaker Series

- Known for excellent musical quality and crystal-clear voice reproduction
- Back panels feature volume control and separate bass and treble control



SDQ Series

- Ideal and cost-effective solution for boardroom, meeting room, or classroom
- Reliable and affordable models for dynamic music and detailed voice reproduction



SM6 Series

- Suited for both background music and paging
- Quick-fit cable clamps for quick and easy installation



ROCK Series

- The weatherproof and inconspicuous design allow them to disappear into a natural environment
- Perfect for theme parks, outdoor pools or garden areas



Eastern Plaza Restaurant
Bentelo, The Netherlands

COMMERCIAL LOUDSPEAKERS: SURFACE MOUNT

	 OV03*	 OV03T	 OV05*
Loudspeaker Type	Two-way 3-inch surface mount loudspeaker	Two-way 3-inch 70V/100V surface mount loudspeaker	Two-way 5.25-inch surface mount loudspeaker
Drivers	LF 1 x 3" coated paper cone HF 1 x 1" silk dome	LF 1 x 3" coated paper cone HF 1 x 1" silk dome	LF 1 x 5.25" coated paper cone HF 1 x 1" silk dome
Operating Range	90 Hz - 20 kHz	100 Hz - 20 kHz	70 Hz - 20 kHz
Sensitivity (1W/1m)	82 dB	86 dB	89 dB
Power Rating	20W cont. 80W Peak	20W cont.	50W cont. 200W Peak
Max Output @1m	97 dB 103 dB Peak	93 dB 105 dB Peak	105 dB 111 dB Peak
Nominal Impedance	8Ω	16Ω	8Ω
Dispersion	180° x 180°	185° x 135°	180° x 180°
Transformer Taps	n/a	70V: 6W, 3W, 1.5W, 0.75W 100V: 6W, 3W, 1.5W	n/a
Environmental	IP40	IP40	IP40
RAL Color	Black RAL 9011 White RAL 9003	Black RAL 9011 White RAL 9003	Black RAL 9011 White RAL 9003
Dimensions - H x W x D	6.3" x 4.3" x 4.6" (160 x 110 x 117 mm)	6.3" x 4.2" x 4.7" (160 mm x 108 mm x 119 mm)	10" x 6.6" x 7.4" (256 x 167 x 189 mm)
Weight	1.76 lbs (0.8 kg)	2.4 lbs (1.1 kg)	5.4 lbs (2.45 kg)

*Not designed for use in US and Canada. Call for details.



				
OV05P*	OV05T	OV08*	OV08P*	OV08T*
Stereo loudspeaker set with 1 active and 1 passive loudspeaker	Two-way 5.25-inch 70V/100V surface mount loudspeaker	Two-way 8-inch surface mount loudspeaker	Two-way 8-inch active surface mount loudspeaker	Two-way 8-inch 100V surface mount loudspeaker
LF 1 x 5.25" coated paper cone HF 1 x 1" soft dome	LF 1 x 5.25" coated paper cone HF 1 x 1" silk dome	LF 1 x 8" coated paper cone HF 1 x 1" silk dome	LF 1 x 8" coated paper cone HF 1 x 1" soft dome	LF 1 x 8" coated paper cone HF 1 x 1" silk dome
50 Hz - 20 kHz	74 Hz - 20 kHz	45 Hz - 20 kHz	40 Hz - 20 kHz	45 Hz - 20 kHz
88 dB	89 dB	87 dB	87 dB	84 dB
Internal 2 x 15W amplifiers	40W cont.	80W cont. 320W Peak	Internal 60W amplifier	80W cont. 320W Peak
101 dB 107 dB Peak	102 dB 112 dB Peak	109 dB 115 dB Peak	105 dB 111 dB Peak	110 dB 116 dB Peak
n/a	16Ω	8Ω	n/a	16Ω
180° x 180°	130° x 100°	180° x 170°	180° x 170°	180° x 165°
n/a	70V: 30W, 15W, 7.5W, 3W, 1.5W 100V: 30W, 15W, 6W, 3W	n/a	n/a	100V: 60W, 30W, 15W, 6W
IP40	IP40	IP40	IP40	IP40
Black RAL 9011 White RAL 9003	Black RAL 9011 White RAL 9003	Black RAL 9011 White RAL 9003	Black RAL 9011 White RAL 9003	Black RAL 9011 White RAL 9003
10" x 6.6" x 7.4" (256 x 167 x 189 mm)	10.1" x 6.6" x 7.4" (256 x 167 x 189 mm)	14" x 9.6" x 9.8" (358 x 245 x 250 mm)	14" x 9.6" x 9.8" (358 x 245 x 250 mm)	14" x 9.6" x 9.8" (358 x 245 x 250 mm)
11.68 lbs (5.3 kg)	6.8 lbs (3.1 kg)	13.45 lbs (6.10 kg)	17.24 lbs (7.82 kg)	14.77 lbs (6.7 kg)

COMMERCIAL LOUDSPEAKERS: SURFACE MOUNT*

	 SDQ5P/PIR	 SM6	 SM6V
Loudspeaker Type	Stereo loudspeaker set with 1 active and 1 passive loudspeaker	5.25-inch 100V surface mount loudspeaker	5.25-inch 100V surface mount loudspeaker with volume control
Drivers	LF 1 x 5.25" HF 1 x 1"	1 x 5.25" paper cone	1 x 5.25" paper cone
Operating Range	45 Hz - 20 kHz	200 Hz - 20 kHz	200 Hz - 20 kHz
Sensitivity (1W/1m)	86 dB	92 dB	92 dB
Power Rating	Internal 2 x 15W amplifiers	Refer to tap setting	Refer to tap setting
Max Output @1m	101 dB 107 dB Peak	98 dB 104 dB Peak	98 dB 104 dB Peak
Nominal Impedance	n/a	n/a	n/a
Dispersion (H x V)	180° x 180°	180° x 180°	180° x 180°
Transformer Taps	n/a	100V: 6W, 3W, 1.5W	100V: 6W, 3W, 1.5W
Environmental	IP40	IP50	IP50
RAL Color	Black RAL 9011 White RAL 9016	White RAL 9003	White RAL 9003
Dimensions - H x W x D	10" x 7" x 6.4" (253 x 180 x 162 mm)	5.5" x 8" x 2.8" (140 x 202 x 72 mm)	5.5" x 8" x 2.8" (140 x 202 x 72 mm)
Weight	SDQ5P: 12.9 lbs (5.85 kg) SDQ5PIR: 12.35 lbs (5.6 kg)	1.83 lbs (0.83 kg)	2.07 lbs (0.94 kg)

*Not designed for use in US and Canada. Call for details.



			
SMB6	SMB6V	ROCK20	ROCK608
5.25-inch 100V surface mount loudspeaker with bracket	5.25-inch 100V surface mount loudspeaker with bracket and volume control	Two-way 6.5-inch outdoor loudspeaker	Two-way 6.5-inch outdoor loudspeaker
1 x 5.25" paper cone	1 x 5.25" paper cone	LF 1 x 6.5" polypropylene HF 1 x 1"	LF 1 x 6.5" polypropylene HF 1 x 1"
200 Hz - 20 kHz	200 Hz - 20 kHz	60 Hz - 20 kHz	60 Hz - 20 kHz
92 dB	92 dB	98 dB	92 dB
Refer to tap setting	Refer to tap setting	25W cont. 100W Peak	25W cont. 100W Peak
98 dB 104 dB Peak	98 dB 104 dB Peak	113 dB 119 dB Peak	105 dB 111 dB Peak
n/a	n/a	8Ω	8Ω
180° x 180°	180° x 180°	180° x 55°	180° x 55°
100V: 6W, 3W, 1.5W	100V: 6W, 3W, 1.5W	100V: 20W, 10W, 5W, 2.5W	n/a
IP50	IP50	IP64	IP64
Grey RAL 7038	Grey RAL 7038	Grey RAL 7046	Grey RAL 7046
5.5" x 8" x 2.8" (140 x 202 x 72 mm)	5.5" x 8" x 2.8" (140 x 202 x 72 mm)	10.2" x 7.9" x 11" (260 x 200 x 280 mm)	10.2" x 7.9" x 11" (260 x 200 x 280 mm)
2.25 lbs (1.02 kg)	2.34 lbs (1.06 kg)	8.6 lbs (3.9 kg)	7.94 lbs (3.6 kg)

PENDANT LOUDSPEAKERS

Installations with high ceilings or large open spaces need loudspeakers capable of covering an expansive area. Our Commercial pendant loudspeakers allow a loud and wide sound dispersion to be produced with a minimal number of loudspeakers.

- Cost-effective solutions for installations with high ceilings
- Natural music and speech intelligibility for announcements

Pendant Series

- Suited for announcements and background music
- Best solution for background music or speech in industrial buildings or supermarkets with high ceilings

	 SPH16	 SPH20
Loudspeaker Type	Two-way 100V spherical loudspeaker	Spherical loudspeaker with 360° dispersion cone
Drivers	LF 1 x 5.25" paper cone HF 1 x 1"	1 x 8" paper, dual cone
Operating Range	80 Hz - 20 kHz	80 Hz - 18 kHz
Sensitivity (1W/1m)	88 dB	95 dB
Power Rating	16W cont. 64W Peak	20W cont. 80W Peak
Max Output @1m	102 dB 108 dB Peak	111 dB 117 dB Peak
Nominal Impedance	8Ω	8Ω
Dispersion (H x V)	180° x 180°	110° x 110°
Transformer Taps	100V: 16W, 8W, 4W	100V: 20W, 10W, 5W
Environmental	IP53	IP63
RAL Color	White RAL 9003	White RAL 9003
Dimensions (Dia.)	7" (180 mm)	10" (255 mm)
Weight	3.75 lbs (1.7 kg)	4.85 lbs (2.2 kg)

HORNS & MUSIC PROJECTORS

Ideally suited for speech clarity and superior alarm signal reproduction, our Commercial projectors and horns feature indoor and outdoor options that provide unmatched flexibility.

- Ideal for speech, music and alarm signals
- Excellent voice quality to cover long and wide distances
- Coated aluminum or stainless-steel bracket options for efficient installation

Horn Series

- Delivers excellent voice quality over long distances for both indoor and outdoor applications
- Ideal for speech and alarm signals in loud environments



Music Projector Series

- Designed for high quality music reproduction in industrial or professional applications
- Compact, bi-directional and horn loaded models available
- Coated aluminum grille for long-term, rust-free outdoor use



COMMERCIAL LOUDSPEAKERS: HORNS & MUSIC PRO

	 H10	 H20	 H30LT	 HM25*	 MP16*
Loudspeakers	Compact compression horn loudspeaker	Compression horn loudspeaker	Long throw compression horn loudspeaker	Ultra-long throw compression horn loudspeaker	5.25-inch compact sound projector
Drivers	1 x 1.4" voice coil compression driver	1 x 1.4" voice coil compression driver	1 x 1.6" voice coil compression driver	Aluminum inner compression driver	1 x 5.25" coated paper dual cone
Operating Range	530 Hz - 6.5 kHz	490 Hz - 6.7 kHz	450 Hz - 9.6 kHz	300 Hz - 15 kHz	100 Hz - 18 kHz
Sensitivity (1W/1m)	104 dB	107 dB	106 dB	103 dB	91 dB
Power Rating	10W cont.	20W cont.	30W cont.	Refer to tap setting	Refer to tap setting
Max Output @1m	113 dB 125 dB Peak	118 dB 130 dB Peak	118 dB 130 dB Peak	117 dB 123 dB Peak	103 dB 109 dB Peak
Nominal Impedance	8Ω	8Ω	8Ω	n/a	n/a
Dispersion (H x V)	135° x 135°	85° x 85°	60° x 75°	180° x 180°	180° x 180°
Transformer Taps	70V: 10W, 5W, 2.5W, 1.25W, 0.625W 100V: 10W, 5W, 2.5W, 1.25W	70V: 20W, 10W, 5W, 2.5W, 1.25W 100V: 20W, 10W, 5W, 2.5W	70V: 30W, 15W, 7.5W, 3.75W, 1.87W 100V: 30W, 15W, 7.5W, 3.75W	100V: 25W, 20W, 10W	100V: 16W, 10W, 5W
Environmental	IP66	IP66	IP66	IP66	IP56
RAL Color	Grey RAL 9006	Grey RAL 9006	Grey RAL 9006	Grey RAL 9006	Grey RAL 9006
Dimensions (H x W x D)	5.5" x 5.5" x 7.6" (140 x 140 x 193 mm)	7.9" x 7.9" x 9.1" (200 x 200 x 230 mm)	8.2" x 11.3" x 11.4" (207 x 286 x 288 mm)	8" x 8" x 10.5" (206 x 206 x 266 mm)	5.4" x 6.1" x 9" (138 x 156 x 228 mm)
Weight	2.6 lbs (1.2 kg)	3.15 lbs (1.4 kg)	4.85 lb (2.2 kg)	4.19 lbs (1.9 kg)	3.52 lbs (1.6 kg)

*Not designed for use in US and Canada. Call for details.

				
MP26*	MPBD20*	MPH31*	MPLT32*	MPLT62
6.5-inch sound projector	2 x 5.25-inch bi-directional sound projector	5.25-inch long throw sound projector	Two-way 6.5-inch long throw music projector	Two-way 6.5-inch long throw music projector
1 x 6.5" coated paper dual cone	2 x 5.25" coated paper dual cone	1 x 5.25" coated paper cone	LF 1 x 6.5" coated HD HF 1 x 1" horn driver	LF 1 x 6.5" coated HD HF 1 x 1" horn driver
90 Hz - 19 kHz	150 Hz - 20 kHz	120 Hz - 15 kHz	75 Hz - 18 kHz	150 Hz - 20 kHz
92 dB	91 dB	92 dB	98 dB	106 dB
Refer to tap setting	Refer to tap setting	30W cont. 120W Peak	Refer to tap setting	Refer to tap setting
107 dB 113 dB Peak	100 dB 106 dB Peak	107 dB 113 dB Peak	113 dB 119 dB Peak	112 dB 118 dB Peak
n/a	n/a	8Ω	n/a	n/a
180° x 180°	80° x 80°	180° x 180°	105° x 140°	95° x 125°
100V: 26W, 20W, 10W	100V: 20W, 10W, 5W	100V: 30W, 15W, 7.5W, 4W	100V: 32W, 16W, 8W, 4W	70V: 62W, 32W, 16W, 8W, 4W 100V: 62W, 32W, 16W, 8W
IP56	IP64	IP54	IP66	IP66
Grey RAL 9006	Grey RAL 9006	Grey RAL 9006	Grey RAL 9006	Grey RAL 9006
6.7" x 7.4" x 10.6" (170 x 187 x 270 mm)	5.5" x 5.7" x 10.6" (140 x 144 x 270 mm)	6.7" x 8.9" x 9.6" (170 x 226 x 244 mm)	9.8" x 14.1" x 11.4" (250 x 360 x 290 mm)	10.3" x 14.2" x 11.5" (261 x 360 x 293 mm)
4.19 lbs (1.9 kg)	3.57 lbs (1.62 kg)	4.41 lbs (2 kg)	6.61 lbs (3 kg)	10.75 lbs (4.9 kg)

EN54-24

Our EN54-24 loudspeakers are the perfect budget-oriented solution for background music, paging and evacuation systems messaging.

- Ideal for background music, paging, and voice alarm evacuation systems
- Regulatory compliant to EN54-24 certification standards
- In-ceiling, surface mount and projector form factors available

EN54-24 CM Series

- Budget friendly loudspeakers for paging, voice alarm and background music
- Equipped with a ceramic loudspeaker line connector block, thermal fuse and metal firedome
- EN54-24 certified



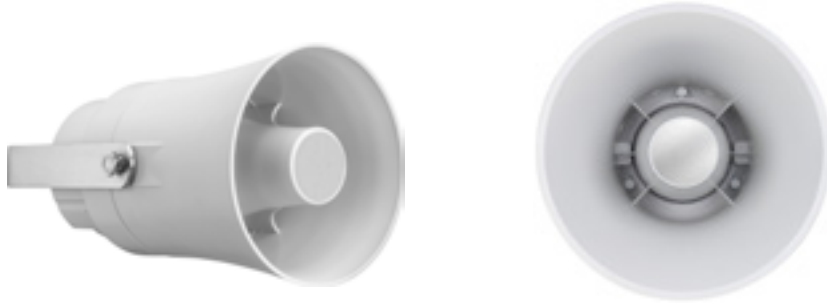
EN54-24 SM6 Series

- Surface mount models for background music, paging and evacuation systems
- Ideal for public buildings, supermarkets and schools
- Available in an ultra-robust and vandal-proof full metal version
- EN54-24 certified



EN54-24 Horn Series

- Weatherproof and designed for speech reproduction and voice alarm signals
- Stainless-steel installation bracket suitable for indoor and outdoor use
- EN54-24 certified



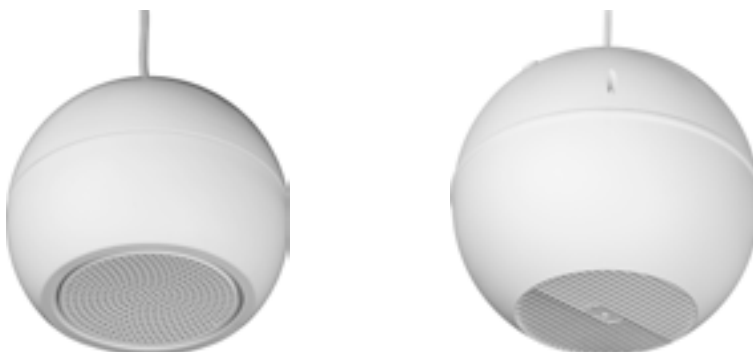
EN54-24 Music Projector Series

- Compact, stylish sound projectors
- Bi-directional version ideal for corridors, outdoor shopping centers or parking lots
- EN54-24 certified



EN54-24 Sphere Series

- Pendant sound projectors with a perfect synergy between intelligibility and musical sound quality
- Equipped with a ceramic speaker line connector block and thermal fuse
- EN54-24 certified



COMMERCIAL LOUDSPEAKERS: EN54-24*

	 EN-CM5T6	 EN-CM6T6	 EN-CMX6T10	 EN-SM6T10	 EN-SMS6MT6
Loudspeaker Type	5.25-inch ceiling loudspeaker	6.5-inch ceiling loudspeaker	6.5-inch two-way ceiling loudspeaker	6.5-inch surface mount loudspeaker	6.5-inch surface mount loudspeaker
Drivers	5.25" coated paper cone woofer	6.5" coated paper cone woofer	6.5" paper cone woofer, 0.5" tweeter	6.5" paper cone woofer	6.5" paper cone woofer
Operating Range	320 Hz - 19 kHz	140 Hz - 24 kHz	70 Hz - 24 kHz	200 Hz - 24 kHz	100 Hz - 18 kHz
Sensitivity (1W/1m)	93.5 dB	93.9 dB	89.2 dB	93.8 dB	93.7 dB
Power Rating	6W	6W	10W	10W	6W
Max Output @1m	101.3 dB	101.7 dB	97.7 dB	103.8 dB	101.5 dB
Nominal Impedance	8Ω	8Ω	8Ω	8Ω	8Ω
Dispersion	180° x 180°	180° x 180°	180° x 180°	180° x 180°	180° x 180°
Transformer Taps	100V: 6W, 3W, 1.5W	100V: 6W, 3W, 1.5W	100V: 10W, 6W, 3W, 1.5W	100V: 10W, 6W, 3W, 1.5W	100V: 6W, 3W, 1.5W
Environmental	IP50	IP50	IP50	IP21	IP21
RAL Color	White RAL 9010	White RAL 9010	White RAL 9010	White RAL 9010	White RAL 9010
Dimensions - Outside diameter x depth	7" x 6.2" (180 x 158 mm) Cutout: 6.8" (172 mm)	8.7" x 5.4" (220 x 137 mm) Cutout: 7.8" (199 mm)	8.7" x 6.2" (220 x 159 mm) Cutout: 8" (203 mm)	6.7" x 3" (170 x 75 mm)	7.6" x 10" x 3.2" (192 x 252 x 82 mm)
Weight	2.78 lbs (1.27 kg)	3.13 lbs (1.42 kg)	4.37 lbs (1.98 kg)	2.87 lbs (1.3 kg)	4.63 lbs (2.1 kg)
Compliance	EN54-24 certified	EN54-24 certified	EN54-24 certified	EN54-24 certified	EN54-24 certified

*Not designed for use in US and Canada. Call for details.



					
EN-SPH5T16	EN-SPH6T20	EN-H10	EN-H15	EN-MP5T20	EN-MPBD5T10
5.25-inch spherical loudspeaker	6.5-inch spherical loudspeaker	Horn loudspeaker	Horn loudspeaker	Compact sound projector	Compact bi-directional sound projector
5.25" paper cone woofer	6.5" paper cone woofer	Compression driver	Compression driver	5.25" coated paper cone woofer	2 x 5.25" coated paper cone woofer
90 Hz - 17 kHz	90 Hz - 20 kHz	370 Hz - 13 kHz	400 Hz - 12 kHz	120 Hz - 23 kHz	145 Hz - 17.5 kHz
86.5 dB	93.5 dB	98 dB	100.5 dB	92.1 dB	94 dB
16W	20W	10W	15W	20W	10W
98.5 dB	106.5 dB	108 dB	112 dB	105.1 dB	104 dB
—	—	20Ω	15Ω	—	—
180° x 180°	180° x 180°	180° x 180°	180° x 180°	180° x 180°	155° x 155°
100V: 16W, 8W, 4W	100V: 20W, 15W, 10W, 5W, 2.5W	100V: 10W, 5W, 2.5W, 1.25W	100V: 15W, 7.5W, 3.75W, 1.87W	100V: 20W, 15W, 10W, 5W	100V: 10W, 6W, 3W, 1.5W
IP35	IP35	IP66	IP66	IP65	IP54
White RAL 9010	White RAL 9010	Grey RAL 7035	Grey RAL 7035	White RAL 9010	White RAL 9010
7.3" x 6.2" (185 x 157 mm)	10.2" x 9.6" (260 x 245 mm)	5.6" x 8.3" (142 x 210 mm)	8.2" x 10.7" (209 x 272 mm)	5.5" x 6.1" x 7.2" (140 x 156 x 183 mm)	6.5" x 7.9" x 6.5" (165 x 200 x 164 mm)
3.53 lbs (1.6 kg)	4.74 lbs (2.15 kg)	4.25 lbs (1.93 kg)	4.65 lbs (2.11 kg)	5.47 lbs (2.48 kg)	5.11 lbs (2.32 kg)
EN54-24 certified	EN54-24 certified	EN54-24 certified	EN54-24 certified	EN54-24 certified	EN54-24 certified

AMPLIFIERS

Unmatched power distribution and system integration





Our amplifiers are well-suited for a multitude of applications, including conferencing, outdoor and large venue spaces, performance spaces, voice communications, and more.

Designed for ease of installation and use, our amplifiers range in capability from powering small huddle rooms to theaters to football stadiums, helping ensure every seat is the best seat.

Available features include:

- Full or half-rack mount design
- Plenum-rated PoE+ power and signal
- Fan-less silent operation
- Fire alarm and emergency communications compatibility
- Asymmetric power distribution
- Dante® compatibility

TESIRA AMPLIFIERS

Fully integrated, AVB enabled amplifiers for the Tesira platform, providing seamless amplification options and robust audio integration capabilities.

Tesira AMP-450BP

- Four-channel PoE+ conferencing amplifier for use with the Desono C-IC6 ceiling speaker.



Tesira AMP-450P

- Four-channel PoE+ conferencing amplifier.



TesiraXEL 1200.1

- Four-channel amplifier with one 1200W power bank that allows users to distribute 1-100% of available power to any channel.



TesiraXEL 1200.2

- Four-channel amplifier equipped with two 1200W power banks to provide greater power per rack unit.



Tesira AMP-4175R

- Four-channel amplifier delivering 175W per channel.



Tesira AMP-4300R CV

- Four-channel amplifier delivering 300W per channel.



Tesira AMP-4350R

- Four-channel amplifier delivering 350W per channel.



Tesira AMP-8175R

- Eight-channel amplifier delivering 175W per channel.



VOLTERA A SERIES AMPLIFIERS

Sleek, compact, and flexible, the Voltera® A Series amplifiers are compatible with a wide range of Biamp and third-party loudspeakers. They have selectable power outputs of 4 ohm, 8 ohm, 70V or 100V and also support power sharing, a feature that allows up to twice the power to be delivered by any channel. Includes mounting accessories for a variety of mounting options.

Voltera A 300.2

- Two-channel amplifier delivering 300 watts total output power

Voltera A 300.4

- Four-channel amplifier delivering 300 watts total output power

Voltera A 600.2

- Two-channel amplifier delivering 600 watts total output power

Voltera A 600.4

- Four-channel amplifier delivering 600 watts total output power



reddot winner 2023

VOCIA AMPLIFIERS

Vocia amplifiers support a decentralized architecture with no single point of failure by including onboard DSP. They are CobraNet enabled and help ensure everyone can hear and understand every message that's transmitted.

Vocia VA-2060

- Digital networked two-channel amplifier and capable of delivering continuous audio power at 60W RMS per channel.

Vocia VA-2060e

- Includes all features of the Vocia VA-4060, as well as local analog inputs, a dual power supply, and EN 54-16 certification.

Vocia VA-4030

- Digital networked four-channel amplifier and capable of delivering continuous audio power at 30W RMS per channel.

Vocia VA-4030e

- Includes all features of the Vocia VA-4030, as well as local analog inputs, a dual power supply, and EN 54-16 certification.

Vocia VA-8150CV

- Digital networked eight-channel constant voltage 70V/100V amplifier and capable of delivering continuous audio power at 150W per channel.

Vocia VA-8600

- Networked multi-channel amplifier and featuring eight channels of modular amplification and DSP.

Vocia VA-8600c

- Includes all the features of the Vocia VA-8600, as well as EN 54-16 certification.



POWER AMPLIFIERS

Our power amplifiers offer a broad array of output channels and amplification, ranging from 1 to 16 channels and 25 to 2100 watts plus everything in between.

AMP-A460H

- A 4-channel amplifier delivering 60W per channel in a sleek, compact design.



AMP-D225H

- A 2-channel class D amplifier delivering 25W per channel in a sleek, compact design.



CHAMP-4

- Convection cooled 4-channel power amplifier bridgeable into 2 stereo channels or even a 2.1 sound system.



PA2240BP

- 2-channel amplifier with 2 x 240W output power bridgeable into a 1 x 480W power amplifier.



PA240P

- 1-channel power amplifier with 1 x 240W power at 100V, able to drive 4 ohms or constant voltage loudspeaker lines (50 - 70 - 100V).



REVAMP1120T

- Single channel power amplifier offering 1 x 120W output power at 100V.



REVAMP1680*

- 16-channel power amplifier with 16 x 100W output power at 4 ohms, bridgeable to 8 x 200W at 8 ohms.



REVAMP2060T

- 2-channel power amplifier offering 2 x 60W output power at 100V that can be easily bridged into a powerful 120W at 100V.



REVAMP2120T

- 2-channel power amplifier provides 2 x 120W output power at 100V that can be easily bridged into a powerful 240W at 100V.



REVAMP2150

- 2-channel power amplifier with 2 x 165W dynamic output power that can easily be bridged into a powerful 330W single amplifier.



REVAMP2250*

- 2-channel power amplifier with 2 x 350W output power at 4 ohms bridgeable to 1 x 700W at 8 ohms.



REVAMP2600*

- 2-channel power amplifier with 2 x 840W output power at 4 ohms.



REVAMP4100

- 4-channel power amplifier with high power Class-D power amplifier modules inside 4 individual amplifier channels that can be bridged into 2 stereo channels.



REVAMP4120T

- 4-channel power amplifier with 4 x 120W output power at 100V, bridgeable to 2 x 240W at 100V.



REVAMP4240T

- 4-channel digital power amplifier with 4 x 240W output power at 100V, bridgeable to 2 x 480W at 100V.



REVAMP8250

- 8-channel bridgeable power amplifier that can create 8 zones in mono, 4 zones in stereo, 4 bridged mono or 2 bridged stereo systems.



*Not available for sale in the US and Canada

MIXER AMPLIFIERS

Mixing amplifiers offer the best of both worlds, combining the ability to connect multiple sources together with the necessary amplification in a single device.

MA30

- Mixing amplifier offering 1 x 30W at 4 ohms or 70V/100V modes in a compact 9.5" housing with 1 mic/line input and 2 stereo line, mono summed inputs.

MA60

- Mixing amplifier offering 1 x 60W at 4 ohms or 70V/100V modes with 1 mic/line input and 2 stereo line, mono summed inputs.

MA65

- Mixing amplifier offering 1 x 60W at 4 ohms or 70V/100V modes with 1 mic/line input and 2 stereo line, mono summed inputs.

MA120

- Mixing amplifier offering 120W in 70V/100V modes and comes with 2 mic/line inputs and 4 stereo line, mono summed inputs.

MA240

- Mixing amplifier offering 240W in 70V/100V modes and comes with 2 mic/line input and 4 stereo line, mono summed inputs.



COMMUNITY AMPLIFIED LOUDSPEAKER CONTROLLERS

Provides all the signal routing, zone switching, DSP processing, protective limiting, remote monitoring, and amplification functions needed in virtually every Community loudspeaker application.

ALC-404D

- Amplified loudspeaker controller with the ability to drive low impedance, 70V or 100V loudspeakers on any channel, featuring 4 channels with 400W of power.

ALC-1604D

- Amplified loudspeaker controller with the ability to drive low impedance, 70V or 100V loudspeakers on any channel, featuring 4 channels with 1600W of power.

ALC-3202D

- Amplified loudspeaker controller with the ability to drive low impedance, 70V or 100V loudspeakers on any channel, featuring 2 channels with 3200W of power.



	 TESIRA	 VOLTERA	 VOCIA	 POWER AMPLIFIERS	 MIXER AMPLIFIERS	 ALC
Building Infrastructure	XEL 1200.2 AMP-8175R AMP-4175R	Voltera A 300.2 Voltera A 300.4 Voltera A 600.2 Voltera A 600.4	VA-2060e VA-4030e VA-4300CV VA-8150CV VA-8600			ALC-404D ALC-1604D
Commercial Space	AMP-A60H	Voltera A 300.2 Voltera A 300.4 Voltera A 600.2 Voltera A 600.4		REVAMP1120T REVAMP2060T REVAMP2120T REVAMP4240T	MA120 MA240	
Conferencing	AMP-450BP AMP-A460H	Voltera A 300.2 Voltera A 300.4 Voltera A 600.2 Voltera A 600.4		AMP-D225H REVAMP2060T		
Large Venues	XEL 1200.2					ALC-404D ALC-1604D ALC-3202D
Paging	XEL 1200.1 AMP-450P AMP-4300R CV	Voltera A 300.2 Voltera A 300.4 Voltera A 600.2 Voltera A 600.4	VA-2060 VA-4030 VA-4300CV VA-8150CV VA-8600	REVAMP4120T AMP-A460H	MA30 MA60	ALC-404D
Presentation Space	XEL 1200.1 XEL 1200.2			REVAMP2150 REVAMP4100 REVAMP8250 REVAMP4240T	MA120 MA240	ALC-404D

Biamp strives to improve its products on a continual basis. Specifications are therefore subject to change without notice.



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