

# LOUDSPEAKER CATALOG

Fixed install audio solutions for every space





# CONTENTS

## 1) PERFORMANCE & SPECIALTY

- V Series Point Source ..... 7
- V Series Subwoofers .....10
- W Series .....11
- R Series Point Source.....13
- Horns & Voice Projection.....16
- I Series .....17
- L Series ..... 24
- PolyGlas Technology ..... 26
- VenuePolar..... 28

## 2) BUSINESS AUDIO

- Ceiling Mount ..... 33
- Pendant ..... 38
- Surface Mount .....40
- Column ..... 45
- Subwoofers ..... 48

## 3) COMMERCIAL

- Ceiling Mount ..... 52
- Surface Mount ..... 58
- Pendant ..... 64
- Horns & Music Projectors ..... 65
- EN54-24 ..... 68

## 4) AMPLIFIERS

- Tesira Amplifiers ..... 74
- Vocia Amplifiers..... 75
- Power Amplifiers ..... 76
- Mixer Amplifiers..... 78
- Amplified Loudspeaker Controllers ..... 78



# PERFORMANCE & SPECIALTY

Application-driven loudspeakers with precision coverage and premium sound quality



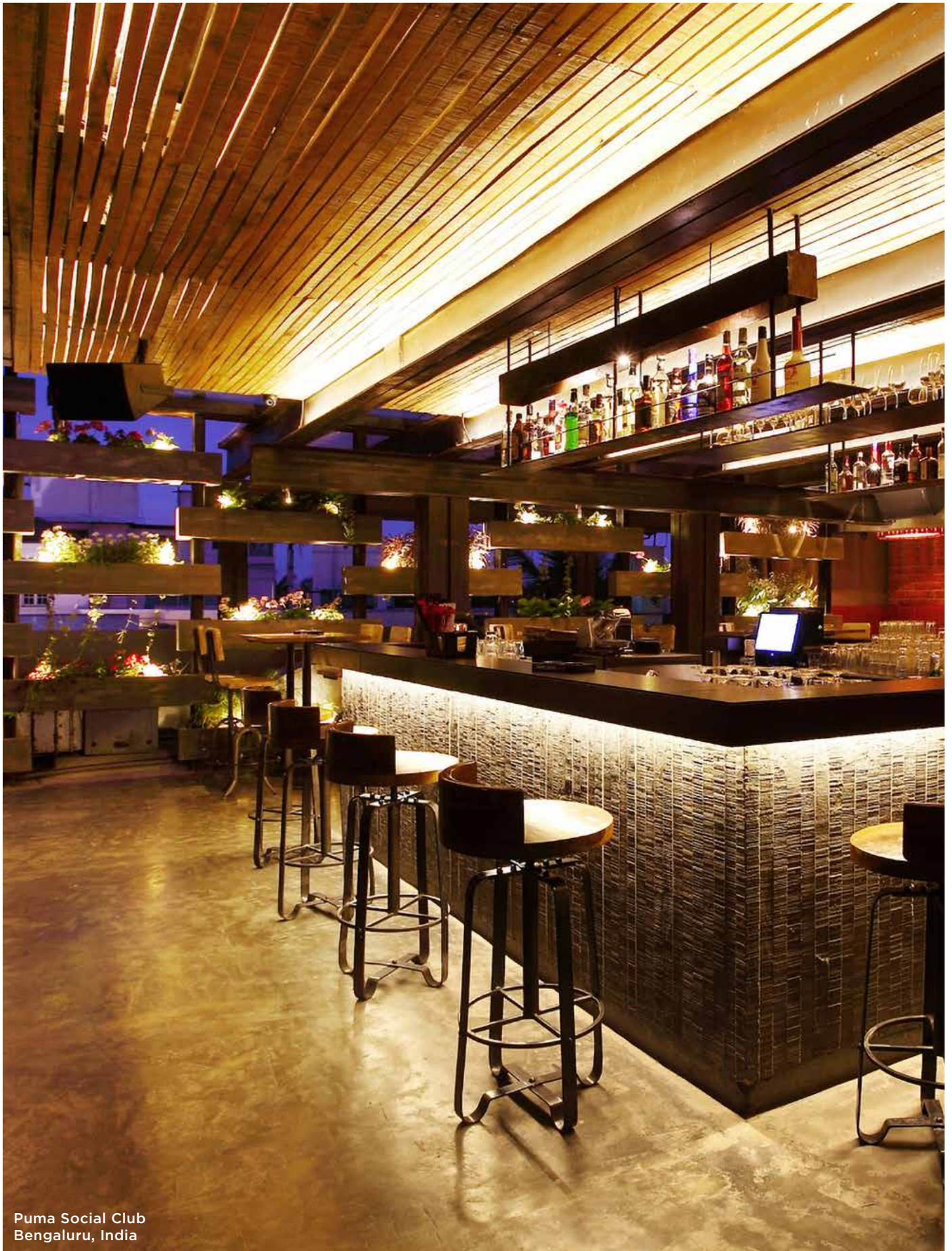


Community™ loudspeakers are engineered to provide excellent acoustic performance, flexibility, and elegant aesthetics for a diverse range of applications. Serving as world-leading loudspeaker solutions for indoor and outdoor sound reinforcement, our models offer exceptional features and benefits designed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

	 <b>V2-6</b>	 <b>V2-8 V2-8T</b>	 <b>V2-26</b>	 <b>V2-28 V2-28T</b>	 <b>V2-1296</b>
<b>Loudspeaker Type</b>	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
<b>Drivers</b>	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"
<b>Operating Range</b>	90 Hz - 18 kHz	70 Hz - 18 kHz	70 Hz - 18 kHz	60 Hz - 18 kHz	60 Hz - 18 kHz
<b>Sensitivity (1W/1m)</b>	92 dB	V2-8: 92 dB V2-8T: 91 dB	92 dB	V2-28: 94 dB V2-28T: 93 dB	98 dB
<b>Power Rating</b>	100W Cont. 400W Peak	V2-8: 150W Cont. 600W Peak	200W Cont. 800W Peak	V2-28: 300W Cont. 1200W Peak	200W Cont. 800W Peak
<b>Max Output @1m</b>	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
<b>Nominal Impedance</b>	8Ω	V2-8: 8Ω	4Ω	V2-28: 4Ω	8Ω
<b>Dispersion (H x V)</b>	90° x 70°	90° x 70°	90° x 70°	90° x 70°	90° x 60°
<b>Transformer Taps</b>	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
<b>Environmental</b>	Indoor	Indoor	Indoor	Indoor	Indoor
<b>RAL Color</b>	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
<b>Dimensions H x W x D</b>	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)
<b>Weight</b>	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**

				
<b>Loudspeaker Type</b>	Dual 8-inch compact subwoofer	Dual 8-inch "Large Volume" compact subwoofer	Dual 12-inch subwoofer	Dual 15-inch subwoofer
<b>Drivers</b>	LF 2 x 8"	LF 2 x 8"	LF 2 x 12"	LF 2 x 15"
<b>Operating Range</b>	55 Hz - 400 Hz	30 Hz - 1 kHz	37 Hz - 500 Hz	37 Hz - 2 kHz
<b>Sensitivity (1W/1m)</b>	95 dB	93 dB	98 dB	97 dB
<b>Power Rating</b>	300W Cont. 1200W Peak	400W Cont. 1600W Peak	300W Cont. 1200W Peak	400W Cont. 1600W Peak
<b>Max Output @1m</b>	120 dB 127 dB Peak	119 dB 126 dB Peak	123 dB 129 dB Peak	123 dB 129 dB Peak
<b>Nominal Impedance</b>	4Ω	4Ω	4Ω	4Ω
<b>Dispersion</b>	omnidirectional	omnidirectional	omnidirectional	omnidirectional
<b>Transformer Taps</b>	n/a	n/a	n/a	n/a
<b>Environmental</b>	Indoor	Indoor	Indoor	Indoor
<b>RAL Color</b>	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003
<b>Dimensions H x W x D</b>	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)
<b>Weight</b>	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**

	<b>W2-218</b> <b>W2-218T</b>	<b>W2-228</b> <b>W2-228T</b>	<b>W2-2W8</b> <b>W2-2W8T</b>
<b>Loudspeaker Type</b>	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
<b>Drivers</b>	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"
<b>Operating Range</b>	70 Hz - 18 kHz	70 Hz - 18 kHz	65 Hz - 18 kHz
<b>Sensitivity (1W/1m)</b>	W2-218: 93 dB W2-218T: 92 dB	W2-228: 96 dB W2-228T: 95 dB	W2-2W8: 97 dB W2-2W8T: 96 dB
<b>Power Rating</b>	W2-218: 125W Cont. 500W Peak	W2-228: 250W Cont. 1000W Peak	W2-2W8: 250W Cont. 1000W Peak
<b>Max Output @1m</b>	114 dB 120 dB Peak	121 dB 127 dB Peak	121 dB 127 dB Peak
<b>Nominal Impedance</b>	W2-218: 8Ω	W2-228: 4Ω	W2-2W8: 8Ω
<b>Dispersion (H x V)</b>	80° x 60°	85° x 85°	120° x 60°
<b>Transformer Taps</b>	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
<b>Environmental</b>	IP55W per IEC 60529	IP55W per IEC 60529	IP55W per IEC 60529
<b>RAL Color</b>	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003	Black RAL 9005 White RAL 9003
<b>Dimensions H x W x D</b>	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)
<b>Weight (loudspeaker with included mounting yoke)</b>	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



Winslow Township High School  
Atco, New Jersey

# PERFORMANCE & SPECIALTY: POINT SOURCE R SERIES

	 <b>R.15COAX</b>	 <b>R.35COAX</b>	 <b>R.35-3896*</b>	 <b>R.5COAX R.5COAXT</b>	 <b>R.5-MAX</b>
<b>PREMIUM MUSIC</b>					
<b>Loudspeaker Type</b>	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
<b>Drivers</b>	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"
<b>Operating Range</b>	90 Hz - 16 kHz	70 Hz - 16 kHz	80 Hz - 16 kHz	80 Hz - 18 kHz	85 Hz - 21.8 kHz
<b>Sensitivity (1W/1m)</b>	94 dB	97 dB	98 dB	98 dB <sup>1</sup>	104 dB <sup>1</sup>
<b>Power Rating</b>	150W Cont. 600W Peak	200W Cont. 800W Peak	400W Cont. 1600W Peak	R.5COAX66 / R.5COAX99: 200W Cont. 800W Peak	600W Cont. 2400W Peak
<b>Max Output @1m</b>	116 dB 122 dB Peak	120 dB 126 dB Peak	124 dB 130 dB Peak	121 dB <sup>1</sup> 127 dB Peak <sup>1</sup>	132 dB <sup>1</sup> 138 dB Peak <sup>1</sup>
<b>Nominal Impedance</b>	8Ω or 70V/100V	8Ω or 70V/100V	8Ω or 70V/100V	8Ω (Various)	8Ω
<b>Dispersion (H x V)</b>	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°
<b>Transformer Taps</b>	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
<b>Environmental</b>	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
<b>RAL Color</b>	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
<b>Dimensions H x W x D</b>	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)
<b>Weight (loudspeaker with included mounting yoke)</b>	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

<sup>1</sup>Highest 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 3/4"	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 <sup>1</sup> MF/HF: 109 dB <sup>1</sup>	96 dB <sup>1</sup>	103 dB <sup>1</sup>	106 dB <sup>1</sup>	105 dB <sup>1</sup>	107 dB <sup>1</sup>
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 <sup>1</sup> 141 dB Peak <sup>1</sup>	120 dB 126 dB Peak	126 dB <sup>1</sup> 132 dB Peak <sup>1</sup>	129 dB <sup>1</sup> 135 dB Peak <sup>1</sup>	128 dB <sup>1</sup> 134 dB Peak <sup>1</sup>	133 dB <sup>1</sup> 139 dB Peak <sup>1</sup>
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**

	 <b>RMG-200A</b> <b>RMG-200AT</b>	 <b>R.5-V2200</b>	 <b>RSH-462</b>	 <b>TT-1020</b>
<b>Loudspeaker Type</b>	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
<b>Drivers</b>	MF 1 x 2"	MF 2 x 2"	MF 4 x 2"	MF 1 x 2"
<b>Operating Range</b>	400 Hz - 8 kHz	450 Hz - 8 kHz	400 Hz - 8 kHz	300 Hz - 9 kHz
<b>Sensitivity (1W/1m)</b>	RMG-200A: 115 dB RMG-200AT: 114 dB	114 dB	118 dB	114 dB
<b>Power Rating</b>	RMG-200A: 75W Cont. 300W Peak	150W Cont. 600W Peak	300W Cont. 1200W Peak	Refer to tap setting
<b>Max Output @1m</b>	134 dB 140 dB Peak	136 dB 142 dB Peak	143 dB 149 dB Peak	134 dB
<b>Nominal Impedance</b>	RMG-200A: 11Ω	6Ω	11Ω	n/a
<b>Dispersion</b>	50° x 40°	80° x 40°	60° x 20°	40° x 30°
<b>Transformer Taps</b>	RMG-200AT: 70V: 75W, 38W, 19W, 9W 100V: 75W, 38W, 19W	n/a	n/a	100V: 100W, 50W
<b>Environmental</b>	IP66W per IEC 60529	IP66W per IEC 60529	IP66W per IEC 60529	IP66W per IEC 60529
<b>RAL Color</b>	Grey RAL 7038	Grey RAL 7038	Grey RAL 7038	Black RAL 9005
<b>Dimensions H x W x D</b>	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)
<b>Weight (loudspeaker with included mounting yoke)</b>	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

	 <b>IC6-1062</b> <b>IC6-1062T</b>	 <b>IC6-1082</b> <b>IC6-1082T</b>	 <b>IC6-2082</b> <b>IC6-2082T</b>	 <b>IP6-1122</b>
<b>Loudspeaker Type</b>	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
<b>Drivers</b>	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"
<b>Operating Range</b>	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
<b>Sensitivity (1W/1m)</b>	92 dB	95 dB	100 dB	95 dB <sup>1</sup>
<b>Power Rating</b>	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
<b>Max Output @1m</b>	114 dB 120 dB Peak	119 dB <sup>1</sup> 125 dB Peak <sup>1</sup>	125 dB <sup>1</sup> 131 dB Peak <sup>1</sup>	123 dB <sup>1</sup> 129 dB Peak <sup>1</sup>
<b>Nominal Impedance</b>	8Ω	8Ω	16Ω	8Ω
<b>Dispersion (H x V)</b>	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°
<b>Transformer Taps</b>	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
<b>Environmental</b>	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
<b>RAL Color</b>	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)
<b>Dimensions H x W x D</b>	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)
<b>Weight (loudspeaker only)</b>	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)

<sup>1</sup>Highest 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 <sup>1</sup>	95 dB <sup>1</sup>	95 dB <sup>1</sup>	LF: 96 dB <sup>1</sup> MF/HF: 107 dB <sup>1</sup>
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 <sup>1</sup> 130 dB Peak <sup>1</sup>	124 dB <sup>1</sup> 130 dB Peak <sup>1</sup>	124 dB <sup>1</sup> 130 dB Peak <sup>1</sup>	LF: 124 dB / 130 dB Peak <sup>1</sup> MF/HF: 131 dB / 137 dB Peak <sup>1</sup>
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**

	<b>IV6-1122/05</b>	<b>IV6-1122/15</b>	<b>IV6-118S</b>
<b>Loudspeaker Type</b>	Two-way, 12-inch line array loudspeaker	Two-way, 12-inch line array loudspeaker	18-inch subwoofer
<b>Drivers</b>	LF 1 x 12" HF 2 x 1.7"	LF 1 x 12" HF 2 x 1.7"	LF 1 x 18"
<b>Operating Range</b>	40 Hz - 18.5 kHz	40 Hz - 18.5 kHz	37 Hz - 132 Hz
<b>Sensitivity (1W/1m)</b>	102 dB (single element)	100 dB (single element)	102 dB
<b>Power Rating</b>	400W Cont. 1600W Peak	400W Cont. 1600W Peak	800W Cont. 3200W Peak
<b>Max Output @1m</b>	128 dB 134 dB Peak	126 dB 132 dB Peak	131 dB / 137 dB Peak (half space) 125 dB / 131 dB Peak (whole space)
<b>Nominal Impedance</b>	16Ω	16Ω	8Ω
<b>Dispersion</b>	120° x 5° Max (array dependent)	120° x 15° Max (array dependent)	Omnidirectional
<b>Transformer Taps</b>	n/a	n/a	n/a
<b>Environmental</b>	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
<b>RAL Color</b>	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)
<b>Dimensions H x W x D</b>	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)
<b>Weight (loudspeaker with 1 pair of splay brackets)</b>	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

	 <b>IS6-112</b>	 <b>IS6-115</b>	 <b>IS6-118</b>	 <b>IS6-212</b>	 <b>IS6-215</b>	 <b>IS6-218</b>
<b>Loudspeaker Type</b>	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
<b>Drivers</b>	LF 1 x 12"	LF 1 x 15"	LF 1 x 18"	LF 2 x 12"	LF 2 x 15"	LF 2 x 18"
<b>Operating Range</b>	39 Hz - 150 Hz	37 Hz - 140 Hz	32 Hz - 145 Hz	38 Hz - 150 Hz	37 Hz - 145 Hz	32 Hz - 145 Hz
<b>Sensitivity (1W/1m) - half space</b>	100 dB	102 dB	104 dB	103 dB	105 dB	107 dB
<b>Power Rating (single amp)</b>	700W Cont. 2800W Peak	700W Cont. 2800W Peak	700W Cont. 2800W Peak	1400W Cont. 5600W Peak	1400W Cont. 5600W Peak	1400W Cont. 5600W Peak
<b>Max Output @1m (half space)</b>	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
<b>Nominal Impedance (single amp)</b>	8Ω	8Ω	8Ω	4Ω	4Ω	4Ω
<b>Dispersion</b>	Omnidirectional	Omnidirectional	Omnidirectional	Omnidirectional	Omnidirectional	Omnidirectional
<b>Environmental</b>	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
<b>RAL Color</b>	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)
<b>Dimensions H x W x D</b>	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)
<b>Weight</b>	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

 <b>IS8-112</b>	 <b>IS8-115</b>	 <b>IS8-118</b>	 <b>IS8-212</b>	 <b>IS8-215</b>	 <b>IS8-218</b>
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

	 <b>LVH-906/AS</b> <b>Single Loudspeaker</b>	 <b>LVH-909/AS</b> <b>Single Loudspeaker</b>	 <b>LVH-906/AP</b> <b>Dual-Cabinet Array</b>	 <b>LVH-909/AP</b> <b>Dual Cabinet Array</b>
<b>Loudspeaker Type</b>	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)
<b>Drivers</b>	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
<b>Operating Range</b>	60 Hz - 18 kHz	60 Hz - 18 kHz	60 Hz - 18 kHz	60 Hz - 18 kHz
<b>Max Output @1m<sup>1</sup></b>	137 dB Cont. 143 dB Peak	135 dB Cont. 141 dB Peak	140 dB Cont. 146 dB Peak	139 dB Cont. 145 dB Peak
<b>Horizontal Coverage</b>	60°	90°	60°	90°
<b>Vertical Coverage</b>	20°, 40° or 60°	20°, 40° or 60°	20°, 80° or 100°	20°, 80° or 100°
<b>Transformer Taps</b>	n/a	n/a	n/a	n/a
<b>Environmental</b>	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)
<b>RAL Color</b>	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 RAL7038 (outdoor)
<b>Dimensions H x W x D (Single LVH-900 Cabinet)</b>	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)
<b>Weight (Single LVH-900 Cabinet)</b>	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)

<sup>1</sup>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

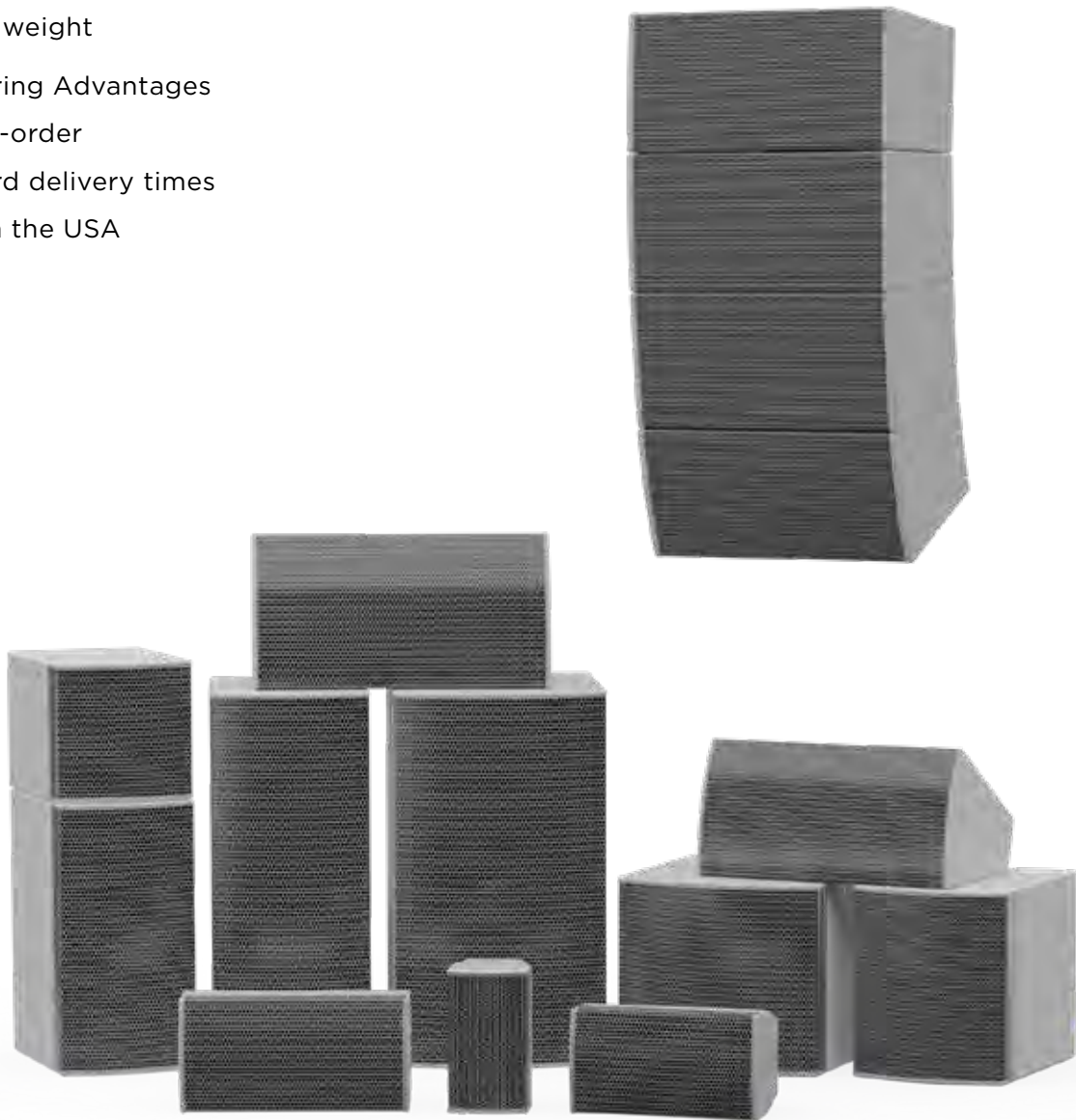
- Non-absorbent - will not deteriorate
- High-specific strength - excellent structural stability
- Thermal stability - will not change size or shape
- Extremely durable with high-impact resistance

### 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.

The screenshot displays the biamp software interface for the VenuePolar rigging calculator. The main window shows a top view of the speaker array layout with yellow and orange speaker cabinets arranged in a grid. The rigging calculator panel on the right provides detailed information for a double hang configuration at pinpoints T1 and T14.

**Rigging - Venue Polar**

**Loads**

**Double Hang at Pinpoints T1 and T14**

Total Weight = 874.96 lb

Double Hang  Single Hang

Pinpoint A: T1 Pinpoint B: T14

Desired Safety Factor: 10

Name	Front Load	Back Load	Safety Factor
0: LVH-900AF	431.25 lb	443.61 lb	1.3:1
1: 906/AP	211.17 lb	226.35 lb	21:1
2: 906/AS	91.47 lb	178.65 lb	49:1
3: 906/AS	48.46 lb	87.60 lb	100:1

Show only lowest safety factor

**Distribution Graph**

**Distribution Information**

2.0 dB Class Width

Average: 104.4 dB ±2.2

Avg-StDev: 106.6 dB (Max: 109.9)

Arg-StDev: 102.1 dB (Min: 92.6)

Considered: 100.0 %

0.0 % > 111.0 dB

0.0 % < 99.0 dB

Date Points: 13238

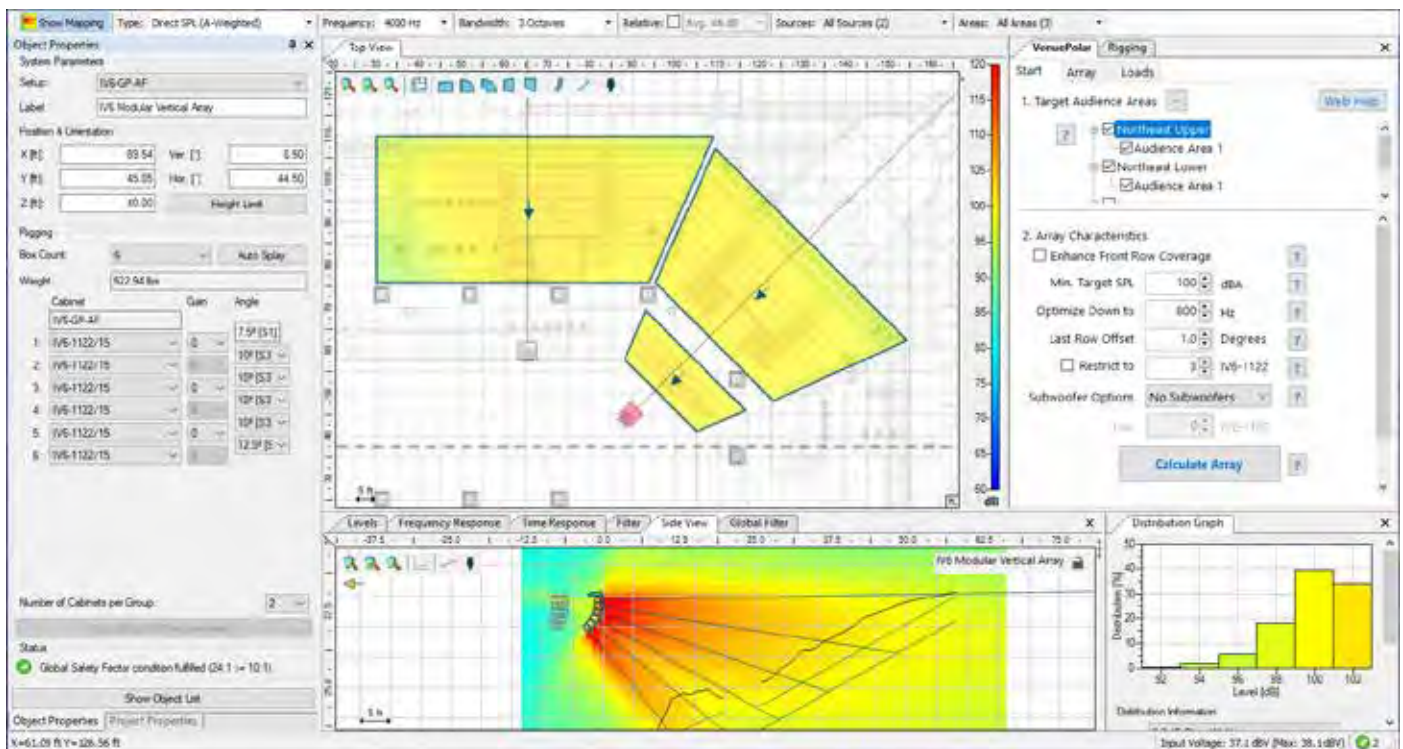
Input Voltage: 37.6 dB (Max: 37.6 dB)



## 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

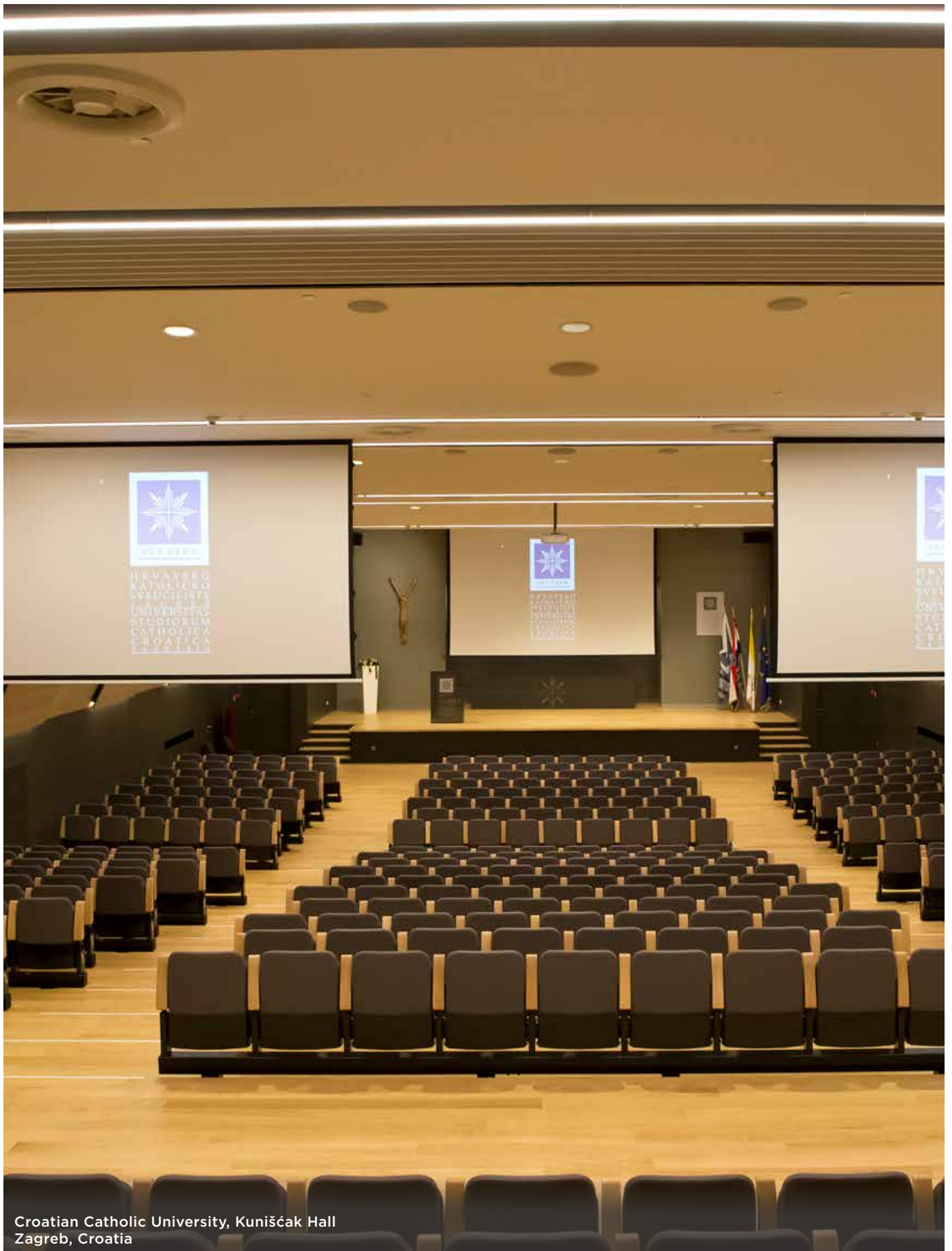




Equally well-suited for background music, foreground music, and paging applications, our Desono™ family of loudspeakers ensure every space can enjoy the best sound reproduction capabilities on the market.

- 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-IC6

- Two-way 6.5-inch conferencing loudspeaker
- Low profile - less than 6 inches (151 mm) total depth
- 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
- 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

	 <b>CM20DTS</b>	 <b>CM30DTD</b>	 <b>CM60DTD</b>	 <b>C-IC6</b>	 <b>DX-IC4LP*</b>
<b>Loudspeaker Type</b>	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 4.5-inch ceiling loudspeaker (low profile)
<b>Drivers</b>	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 4.5" HF 1 x 0.75"
<b>Operating Range</b>	90 Hz - 22 kHz	85 Hz - 22 kHz	75 Hz - 22 kHz	60 Hz - 20 kHz	90 Hz - 18.5 kHz
<b>Sensitivity (1W/1m)</b>	87 dB	87 dB	86 dB	87 dB	92 dB
<b>Power Rating</b>	40W Cont. 160W Peak	50W Cont. 200W Peak	60W Cont. 240W Peak	60W Cont. 240W Peak	60W Cont. 120W Program 240W Peak
<b>Max Output @1m</b>	103 dB 109 dB Peak	104 dB 110 dB Peak	104 dB 110 dB Peak	105 dB	109 dB 116 dB Peak
<b>Nominal Impedance</b>	16Ω	16Ω	16Ω	8Ω	8Ω
<b>Dispersion</b>	150° H x 100° V	120° conical	150° conical	130° conical	130° conical
<b>Transformer Taps</b>	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	70V: 30W, 15W, 7.5W, 3.75W 100V: 30W, 15W, 7.5W
<b>Environmental</b>	Indoor	Indoor	Indoor	Indoor	Indoor
<b>RAL Color</b>	White RAL 9010	White RAL 9010	White RAL 9010	Black RAL 9017 Red RAL 3028 White RAL 9016	White RAL 9016
<b>Dimensions - Bezel Dia. x Total Depth</b>	3.3" x 8.8" (84 x 223 mm)	5.2" x 8.8" (131 x 223 mm)	6.2" x 10.2" (157 x 258 mm)	5.9" x 10.9" (151 x 276 mm)	10.16" x 3.81" (258 x 97 mm)
<b>Cutout Diameter</b>	7.6" (193 mm)	7.6" (193 mm)	9.1" (232 mm)	9.75" (248 mm)	8.75" (222 mm)
<b>Weight</b>	4.4 lbs (2.0 kg)	5.5 lbs (2.5 kg)	8.8 lbs (4.0 kg)	7.8 lbs (3.5 kg)	TBD
<b>Compliance</b>	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

\*Preliminary specifications

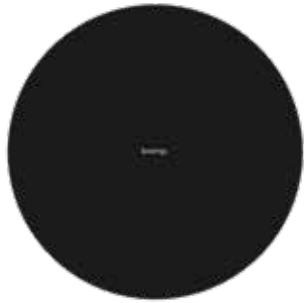
					
<b>DX-IC4*</b>	<b>DX-IC6*</b>	<b>DX-IC6-B*</b>	<b>DX-IC8*</b>	<b>DX-IC10*</b>	<b>DX-IC10SUB*</b>
Two-way 4.5-inch ceiling loudspeaker	Two-way 6.5-inch ceiling loudspeaker	Two-way 6.5-inch ceiling loudspeaker	Two-way 8-inch ceiling loudspeaker	Two-way 10-inch ceiling loudspeaker	10-inch ceiling subwoofer
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 8" HF 1 x 1.25"	LF 1 x 10" HF 1 x 1.25"	LF 1 x 10"
62 Hz - 18.5 kHz	65 Hz - 20 kHz	65 Hz - 20 kHz	60 Hz - 20 kHz	58 Hz - 22 kHz	42 Hz - 200 Hz
91 dB	94 dB	94 dB	95 dB	98 dB	93 dB
60W Cont. 120W Program 240W Peak	100W Cont. 200W Program 400W Peak	100W Cont. 200W Program 400W Peak	150W Cont. 300W Program 600W Peak	200W Cont. 400W Program 800W Peak	200W Cont. 400W Program 800W Peak
109 dB 115 dB Peak	114 dB 120 dB Peak	114 dB 120 dB Peak	117 dB 123 dB Peak	121 dB 127 dB Peak	116 dB 122 dB Peak
8Ω	8Ω	8Ω	8Ω	8Ω	8Ω
130° conical	115° conical	115° conical	100° conical	90° 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: 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
White RAL 9016	White RAL 9016	Black RAL 9017	White RAL 9016	White RAL 9016	White RAL 9016
10.16" x 6.76" (258 x 172 mm)	11.46" x 6.75" (291 x 171 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)
8.75" (222 mm)	10.25" (260 mm)	10.25" (260 mm)	12.20" (310 mm)	14.17" (360 mm)	14.17" (360 mm)
TBD	TBD	TBD	TBD	TBD	TBD
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	UL1480, UL2043, CSA62368-1, NFPA70, NFPA90



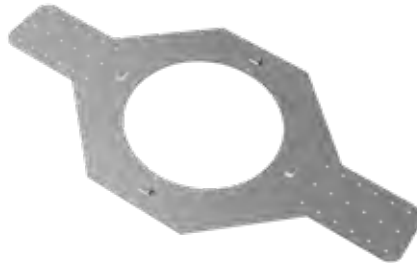
## DESONO CEILING LOUDSPEAKER ACCESSORIES

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.



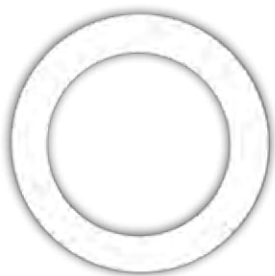
Black Grilles



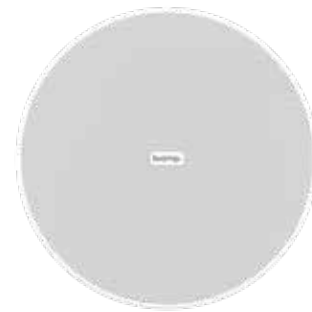
New Construction Brackets



48" Tile Rails



Trim Rings





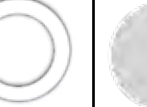


















High Humidity Grilles



Athens Marriott Hotel  
Athens, Greece

# BUSINESS AUDIO: DESONO CEILING SPEAKER ACCESSORIES

	 C-RING	 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			
 <b>CM20DTS</b>	N/A CM drop-ceiling mounting does not require a C-Ring	Included	SPA-RAIL48	SPA-NC100	SPA-TR100	Included	SPA-GRB100	SPA-GHH100	SPA-GSQ100
 <b>CM30DTD</b>	N/A CM drop-ceiling mounting does not require a C-Ring	Included	SPA-RAIL48	SPA-NC100	SPA-TR100	Included	SPA-GRB100	SPA-GHH100	SPA-GSQ100
 <b>CM60DTD</b>	N/A CM drop-ceiling mounting does not require a C-Ring	Included	SPA-RAIL48	SPA-NC200	SPA-TR200	Included	SPA-GRB200	SPA-GHH200	SPA-GSQ100
 <b>DX-IC4LP-W</b>	Included	Included	SPA-RAIL48	SPA-NC300	SPA-TR300	Included	SPA-GRB200	SPA-GHH200	N/A
 <b>DX-IC4-W</b>	Included	Included	SPA-RAIL48	SPA-NC300	SPA-TR300	Included	SPA-GRB200	SPA-GHH200	N/A
 <b>DX-IC6-W</b>	Included	Included	SPA-RAIL48	SPA-NC400	SPA-TR400	Included	SPA-GRB400	SPA-GHH400	N/A
 <b>DX-IC6-B</b>	Included	Included	SPA-RAIL48	SPA-NC400	SPA-TR400	N/A	Included	N/A	N/A
 <b>DX-IC8-W</b>	Included	Included	SPA-RAIL48	SPA-NC500	N/A	Included	SPA-GRB500	SPA-GHH500	N/A
 <b>DX-IC10-W</b>	Included	Included	SPA-RAIL48	SPA-NC600	N/A	Included	SPA-GRB600	SPA-GHH600	N/A
 <b>DX-IC10SUB-W</b>	Included	Included	SPA-RAIL48	SPA-NC600	N/A	Included	SPA-GRB600	SPA-GHH600	N/A
 <b>C-IC6 White</b>	Included	Included	SPA-RAIL48	SPA-NC400	SPA-TR400	Included	N/A	N/A	N/A
 <b>C-IC6 Black</b>	Included	Included	SPA-RAIL48	SPA-NC400	SPA-TR400	N/A	Included	N/A	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

	 <b>P30DT</b>	 <b>P60DT</b>	 <b>DP6</b>	 <b>DP8</b>	 <b>P6</b>	 <b>P6-SM</b>
<b>Loudspeaker Type</b>	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
<b>Drivers</b>	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"
<b>Operating Range</b>	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
<b>Sensitivity (1W/1m)</b>	87 dB	89 dB	94 dB	95 dB	86 dB	87 dB
<b>Power Rating</b>	50W Cont. 200W Peak	60W Cont. 240W Peak	100W Cont. 400W Peak	150W Cont. 600W Peak	60W Cont. 240W Peak	60W Cont. 240W Peak
<b>Max Output @1m</b>	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
<b>Nominal Impedance</b>	16Ω	16Ω	8Ω	8Ω	6Ω	6Ω
<b>Dispersion</b>	120° conical	120° conical	125° conical	115° conical	90° conical	90° conical
<b>Transformer Taps</b>	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
<b>Environmental</b>	Indoor	Indoor	Indoor	Indoor	IP54 per IEC 60529	IP54 per IEC 60529
<b>RAL Color</b>	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
<b>Dimensions H x Dia.</b>	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)
<b>Weight</b>	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)
<b>Compliance</b>	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











**reddot award**  
product design 2022



# BUSINESS AUDIO: SURFACE MOUNT

	 <b>KUB03</b>	 <b>KUB03T</b>	 <b>KUB05</b>	 <b>KUB05T</b>	 <b>MASK2</b>	 <b>MASK4C</b>	 <b>MASK4CT</b>	 <b>MASK6C</b>
<b>Loudspeaker Type</b>	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
<b>Drivers</b>	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"
<b>Operating Range</b>	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
<b>Sensitivity (1W/1m)</b>	84 dB	86 dB	84 dB	87 dB	84 dB	89 dB	88 dB	89 dB
<b>Power Rating</b>	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. 150W Peak
<b>Max Output @1m</b>	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
<b>Nominal Impedance</b>	8Ω	16Ω	8Ω	16Ω	8Ω	8Ω	16Ω	8Ω
<b>Dispersion (H x V)</b>	100° conical	100° conical	70° conical	80° conical	110° conical	100° x 80°	100° x 70°	100° x 50°
<b>Transformer Taps</b>	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
<b>Environmental</b>	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
<b>RAL Color</b>	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
<b>Dimensions H x W x D</b>	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)
<b>Weight</b>	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)
<b>Compliance</b>	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	65 Hz - 20 kHz	60 Hz - 20 kHz	58 Hz - 20 kHz	55 Hz - 20 kHz	48 Hz - 20 kHz	38 Hz - 140 Hz
90 dB	87 dB	93 dB	95 dB	89 dB	90 dB	91 dB	89 dB
150W Cont. 150W Peak	200W Cont. 800W Peak	100W Cont. 200W Program 400W Peak	150W Cont. 300W Program 600W 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	113 dB 119 dB Peak	117 dB 123 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	8Ω	8Ω	8Ω	8Ω	8Ω	8Ω
100° x 50°	100° x 80°	130° conical	115° conical	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 (SO <sub>2</sub> ), 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 (SO <sub>2</sub> ), 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 (SO <sub>2</sub> ), 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 (SO <sub>2</sub> ), 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 (SO <sub>2</sub> ), 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 (SO <sub>2</sub> ), 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)	TBD	TBD	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	UL1480A and CSA 62368-1	UL1480A and 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



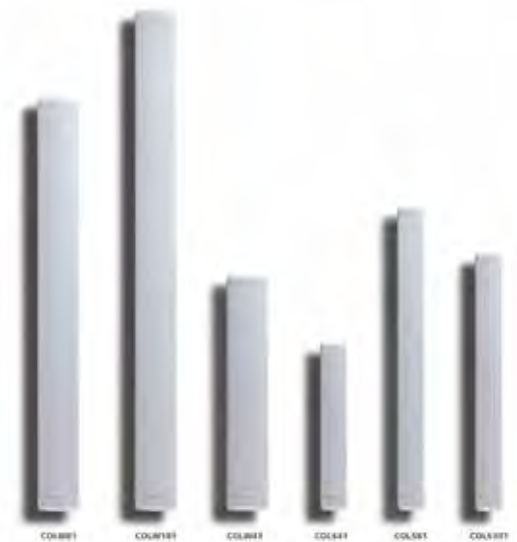


## COLUMN LOUDSPEAKERS

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*
<b>Loudspeaker Type</b>	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
<b>Drivers</b>	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"
<b>Operating Range</b>	175 Hz - 22 kHz	185 Hz - 22 kHz	195 Hz - 22 kHz	155 Hz - 16 kHz	165 Hz - 17 kHz	165 Hz - 18 kHz
<b>Sensitivity (1W/1m)</b>	87 dB	89 dB	91 dB	94 dB	97 dB	99 dB
<b>Power Rating</b>	20W Cont. 80W Peak	30W Cont. 120W Peak	30W Cont. 120W Peak	40W Cont. 160W Peak	80W Cont. 320W Peak	100W Cont. 400W Peak
<b>Max Output @1m</b>	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
<b>Nominal Impedance</b>	8Ω	16Ω	8Ω	16Ω	8Ω	8Ω
<b>Dispersion (H x V)</b>	150° x 20°	120° x 15°	120° x 10°	100° x 15°	100° x 10°	100° x 8°
<b>Transformer Taps</b>	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
<b>Environmental</b>	IP66 per IEC 60529	IP66 per IEC 60529	IP66 per IEC 60529	IP66 per IEC 60529	IP66 per IEC 60529	IP66 per IEC 60529
<b>RAL Color</b>	White RAL 9016	White RAL 9016	White RAL 9016	White RAL 9016	White RAL 9016	White RAL 9016
<b>Dimensions H x W x D</b>	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)
<b>Weight</b>	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\***

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

\*Not Available in US & Canada

# COMMERCIAL LOUDSPEAKERS

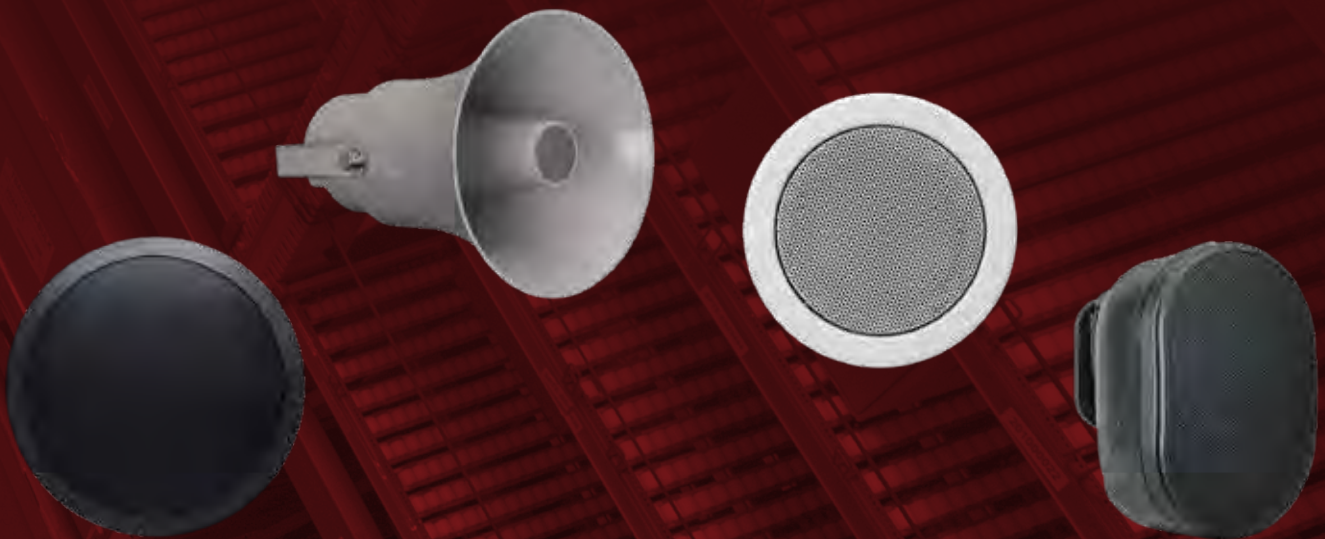
Installer-friendly loudspeakers intended for large-scale distributed deployments





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.

### Round CM Economy Series

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



---

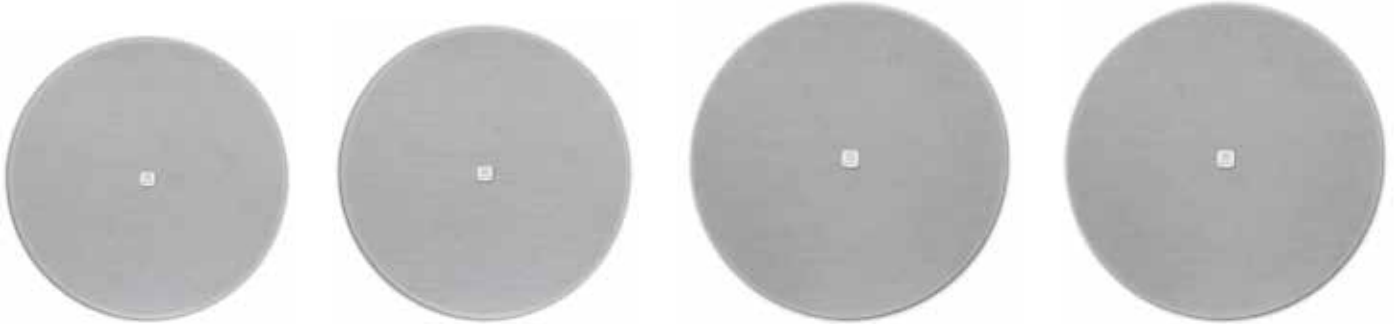
### Round CM Classic Series

- 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



## Round 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\*





	 <b>CM3T</b>	 <b>CM4</b>	 <b>CM4T</b>	 <b>CM6E</b>	 <b>CM6T</b>
<b>Loudspeaker Type</b>	3-inch 70V/100V ceiling loudspeaker	4-inch ceiling loudspeaker	4-inch 70V/100V ceiling loudspeaker	6.5-inch dual cone ceiling loudspeaker	Two-way 6.5-inch 70V/100V ceiling loudspeaker
<b>Drivers</b>	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	LF 1 x 6.5" enforced polypropylene HF 1 x 1"
<b>Operating Range</b>	120 Hz - 18 kHz	100 Hz - 20 kHz	90 Hz - 19 kHz	70 Hz - 20 kHz	60 Hz - 20 kHz
<b>Sensitivity (1W/1m)</b>	87 dB	88 dB	88 dB	91 dB	87 dB
<b>Power Rating</b>	10W Cont. 40W Peak	15W Cont. 60W Peak	15W Cont. 60W Peak	15W Cont. 60W Peak	30W Cont. 120W Peak
<b>Max Output @1m</b>	99 dB 105 dB Peak	103 dB 109 dB Peak	103 dB 109 dB Peak	99 dB 105 dB Peak	105 dB 111 dB Peak
<b>Nominal Impedance</b>	16Ω	16Ω	16Ω	4Ω	16Ω
<b>Dispersion</b>	180° conical	180° conical	180° conical	180° conical	180° conical
<b>Transformer Taps</b>	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	70V: 6W, 3W, 1.5W, 0.75W 100V: 6W, 3W, 1.5W
<b>Environmental</b>	IP50	IP60	IP50	IP50	IP54
<b>RAL Color</b>	Black RAL 9011 White RAL 9010	Black RAL 9011 White RAL 9003	Black RAL 9011 White RAL 9010	White RAL 9010	Black RAL 9011 White RAL 9010
<b>Dimensions - Bezel Dia. x Total Depth</b>	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)	8" x 2.8" (205 x 75 mm)
<b>Cutout Diameter</b>	3.3" (85 mm)	4.3" (108 mm)	4.3" (108 mm)	7.3" (186 mm)	7.3" (186 mm)
<b>Weight</b>	0.77 lbs (0.35 kg)	1.74 lbs (0.79 kg)	1.52 lbs (0.69 kg)	1.65 lbs (0.75 kg)	3.09 lbs (1.4 kg)

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



					
<b>CM608</b>	<b>CM608D</b>	<b>CM20T</b>	<b>CM20DT</b>	<b>CMX20T</b>	<b>CMX20DT</b>
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 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	50 Hz - 20 kHz	50 Hz - 20 kHz
92 dB	92 dB	86 dB	86 dB	88 dB	88 dB
40W Cont. 160W Peak	40W Cont. 160W Peak	30W Cont. 120W Peak	30W Cont. 120W Peak	50W Cont. 200W Peak	50W Cont. 200W 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
8Ω	8Ω	16Ω	16Ω	16Ω	16Ω
180° conical	180° conical	180° conical	180° conical	180° conical	180° conical
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	IP50	IP54	IP50	IP54	IP50
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 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)	8.8" (223 mm)	8.8" (223 mm)
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\*

	 <b>CM1008</b>	 <b>CM1008D</b>	 <b>CMAR5-W</b>	 <b>CMAR5T-W</b>
<b>Loudspeaker Type</b>	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
<b>Drivers</b>	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"
<b>Operating Range</b>	50 Hz - 20 kHz	50 Hz - 20 kHz	85 Hz - 20 kHz	85 Hz - 20 kHz
<b>Sensitivity (1W/1m)</b>	90 dB	90 dB	88 dB	88 dB
<b>Power Rating</b>	60W cont. 240W Peak	60W cont. 240W Peak	25W cont. 100W Peak	25W cont. 100W Peak
<b>Max Output @1m</b>	107 dB 113 dB Peak	107 dB 113 dB Peak	100 dB 106 dB Peak	100 dB 106 dB Peak
<b>Nominal Impedance</b>	8Ω	8Ω	8Ω	8Ω
<b>Dispersion</b>	180° conical	180° conical	180° conical	180° conical
<b>Transformer Taps</b>	n/a	n/a	n/a	100V: 20W, 10W, 5W, 2.5W
<b>Environmental</b>	IP54	IP50	IP65	IP65
<b>RAL Color</b>	Black RAL 9011 White RAL 9010	White RAL 9010	White RAL 9003	White RAL 9003
<b>Dimensions - Bezel Dia. x Total Depth</b>	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)
<b>Cutout Diameter</b>	8.8" (223 mm)	8.8" (223 mm)	4.4" (113 mm)	4.4" (113 mm)
<b>Weight</b>	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\*

	 <b>OV03</b>	 <b>OV03T</b>	 <b>OV05</b>
<b>Loudspeaker Type</b>	Two-way 3-inch surface mount loudspeaker	Two-way 3-inch 100V surface mount loudspeaker	Two-way 5.25-inch surface mount loudspeaker
<b>Drivers</b>	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
<b>Operating Range</b>	90 Hz - 20 kHz	90 Hz - 20 kHz	70 Hz - 20 kHz
<b>Sensitivity (1W/1m)</b>	82 dB	82 dB	89 dB
<b>Power Rating</b>	20W cont. 80W Peak	20W cont. 80W Peak	50W cont. 200W Peak
<b>Max Output @1m</b>	97 dB 103 dB Peak	97 dB 103 dB Peak	105 dB 111 dB Peak
<b>Nominal Impedance</b>	8Ω	16Ω	8Ω
<b>Dispersion</b>	180° x 180°	180° x 180°	180° x 180°
<b>Transformer Taps</b>	n/a	100V: 6W, 3W, 1.5W	n/a
<b>Environmental</b>	IP40	IP40	IP40
<b>RAL Color</b>	Black RAL 9011 White RAL 9003	Black RAL 9011 White RAL 9003	Black RAL 9011 White RAL 9003
<b>Dimensions - H x W x D</b>	6.3" x 4.3" x 4.6" (160 x 110 x 117 mm)	6.3" x 4.3" x 4.6" (160 x 110 x 117 mm)	10.2" x 6.7" x 7" (260 x 170 x 180 mm)
<b>Weight</b>	1.76 lbs (0.8 kg)	2.31 lbs (1.05 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 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	70 Hz - 20 kHz	45 Hz - 20 kHz	40 Hz - 20 kHz	45 Hz - 20 kHz
88 dB	88 dB	87 dB	87 dB	84 dB
Internal 2 x 15W amplifiers	50W cont. 200W Peak	80W cont. 320W Peak	Internal 60W amplifier	80W cont. 320W Peak
101 dB 107 dB Peak	107 dB 113 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°	180° x 180°	180° x 170°	180° x 170°	180° x 165°
n/a	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
10.2" x 6.7" x 7" (260 x 170 x 180 mm)	10.2" x 6.7" x 7" (260 x 170 x 180 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)	6.28 lbs (2.85 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**

<b>Loudspeaker Type</b>	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
<b>Drivers</b>	LF 1 x 5.25" HF 1 x 1"	1 x 5.25" paper cone	1 x 5.25" paper cone
<b>Operating Range</b>	45 Hz - 20 kHz	200 Hz - 20 kHz	200 Hz - 20 kHz
<b>Sensitivity (1W/1m)</b>	86 dB	92 dB	92 dB
<b>Power Rating</b>	Internal 2 x 15W amplifiers	Refer to tap setting	Refer to tap setting
<b>Max Output @1m</b>	101 dB 107 dB Peak	98 dB 104 dB Peak	98 dB 104 dB Peak
<b>Nominal Impedance</b>	n/a	n/a	n/a
<b>Dispersion (H x V)</b>	180° x 180°	180° x 180°	180° x 180°
<b>Transformer Taps</b>	n/a	100V: 6W, 3W, 1.5W	100V: 6W, 3W, 1.5W
<b>Environmental</b>	IP40	IP50	IP50
<b>RAL Color</b>	Black RAL 9011 White RAL 9016	White RAL 9003	White RAL 9003
<b>Dimensions - H x W x D</b>	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)
<b>Weight</b>	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.





 <p><b>SMB6</b></p>	 <p><b>SMB6V</b></p>	 <p><b>ROCK20</b></p>	 <p><b>ROCK608</b></p>
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

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

	 <b>H10</b>	 <b>H20</b>	 <b>H30LT</b>	 <b>HM25</b>	 <b>MP16</b>
<b>Loudspeakers</b>	Compact compression horn loudspeaker	Compression horn loudspeaker	Long throw compression horn loudspeaker	Ultra-long throw compression horn loudspeaker	5.25-inch compact sound projector
<b>Drivers</b>	Compression driver	Compression driver	Compression driver	Aluminum inner compression driver	1 x 5.25" coated paper dual cone
<b>Operating Range</b>	400 Hz - 10 kHz	280 Hz - 9.5 kHz	350 Hz - 9 kHz	300 Hz - 15 kHz	100 Hz - 18 kHz
<b>Sensitivity (1W/1m)</b>	101 dB	105 dB	106 dB	103 dB	91 dB
<b>Power Rating</b>	10W cont. 40W Peak	20W cont. 80W Peak	30W cont. 120W Peak	Refer to tap setting	Refer to tap setting
<b>Max Output @1m</b>	109 dB 115 dB Peak	116 dB 121 dB Peak	121 dB 127 dB Peak	117 dB 123 dB Peak	103 dB 109 dB Peak
<b>Nominal Impedance</b>	8Ω	8Ω	8Ω	n/a	n/a
<b>Dispersion (H x V)</b>	180° x 180°	180° x 180°	115° x 165°	180° x 180°	180° x 180°
<b>Transformer Taps</b>	100V: 10W, 5W, 2.5W, 1.25W	100V: 20W, 10W, 5W, 2.5W	100V: 30W, 15W, 7.5W, 3.75W	100V: 25W, 20W, 10W	100V: 16W, 10W, 5W
<b>Environmental</b>	IP66	IP66	IP66	IP66	IP56
<b>RAL Color</b>	Grey RAL 9006	Grey RAL 9006	Grey RAL 9006	Grey RAL 9006	Grey RAL 9006
<b>Dimensions (H x W x D)</b>	5.5" x 5.5" x 7.5" (140 x 140 x 190 mm)	7.9" x 7.9" x 9" (200 x 200 x 230 mm)	8" x 11" x 11" (207 x 285 x 283 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)
<b>Weight</b>	2.65 lbs (1.2 kg)	3 lbs (1.36 kg)	3.75 lbs (1.7 kg)	4.19 lbs (1.9 kg)	3.52 lbs (1.6 kg)

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

				
<b>MP26</b>	<b>MPBD20</b>	<b>MPH31</b>	<b>MPLT32</b>	<b>MPLT62</b>
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	75 Hz - 18 kHz
92 dB	91 dB	92 dB	98 dB	98 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	115 dB 121 dB Peak
n/a	n/a	8Ω	n/a	n/a
180° x 180°	80° x 80°	180° x 180°	105° x 140°	105° x 140°
100V: 26W, 20W, 10W	100V: 20W, 10W, 5W	100V: 30W, 15W, 7.5W, 4W	100V: 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)	9.8" x 14.2" x 11.4" (250 x 360 x 290 mm)
4.19 lbs (1.9 kg)	3.57 lbs (1.62 kg)	4.41 lbs (2 kg)	6.61 lbs (3 kg)	6.83 lbs (3.1 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



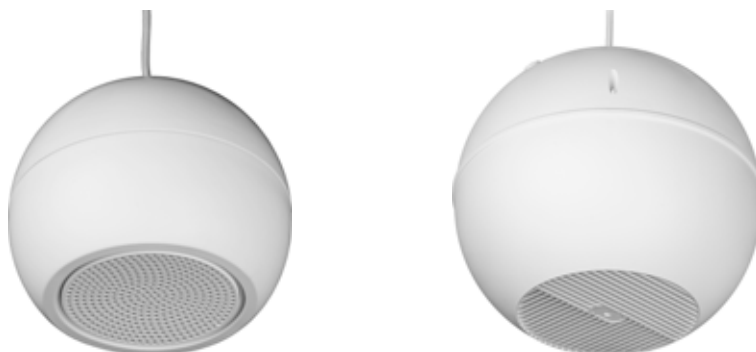
### EN54-24 Music Projector Series

- 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\*

	 <b>EN-CM5T6</b>	 <b>EN-CM6T6</b>	 <b>EN-CMX6T10</b>	 <b>EN-SM6T10</b>	 <b>EN-SMS6MT6</b>
<b>Loudspeaker Type</b>	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
<b>Drivers</b>	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
<b>Operating Range</b>	320 Hz - 19 kHz	140 Hz - 24 kHz	70 Hz - 24 kHz	200 Hz - 24 kHz	100 Hz - 18 kHz
<b>Sensitivity (1W/1m)</b>	93.5 dB	93.9 dB	89.2 dB	93.8 dB	93.7 dB
<b>Power Rating</b>	6W	6W	10W	10W	6W
<b>Max Output @1m</b>	101.3 dB	101.7 dB	97.7 dB	103.8 dB	101.5 dB
<b>Nominal Impedance</b>	8Ω	8Ω	8Ω	8Ω	8Ω
<b>Dispersion</b>	180° x 180°	180° x 180°	180° x 180°	180° x 180°	180° x 180°
<b>Transformer Taps</b>	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
<b>Environmental</b>	IP50	IP50	IP50	IP21	IP21
<b>RAL Color</b>	White RAL 9010	White RAL 9010	White RAL 9010	White RAL 9010	White RAL 9010
<b>Dimensions - Outside diameter x depth</b>	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)
<b>Weight</b>	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)
<b>Compliance</b>	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.



## 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.

### 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.

\*Not available for sale in the US and Canada



## 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.

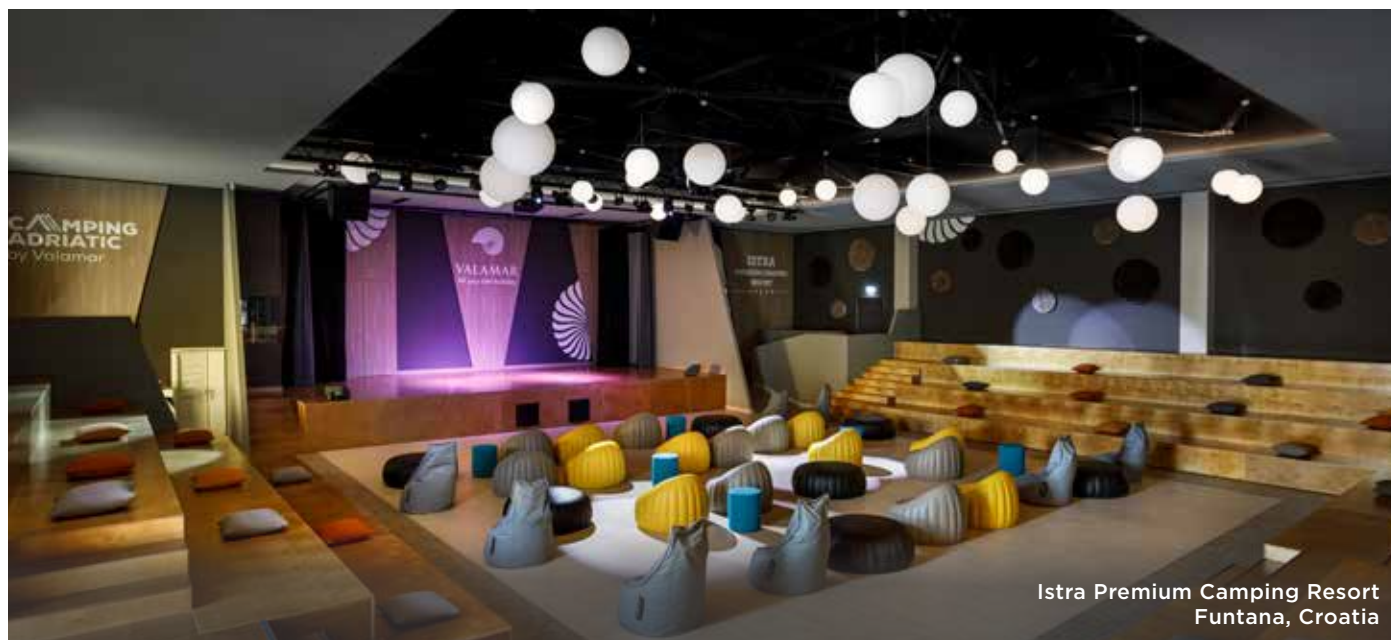
### ALC-3202D

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



	 <b>TESIRA</b>	 <b>VOCIA</b>	 <b>POWER AMPLIFIERS</b>	 <b>MIXER AMPLIFIERS</b>	 <b>ALC</b>
<b>Building Infrastructure</b>	XEL 1200.2 AMP-8175R AMP-4175R	VA-2060e VA-4030e VA-4300CV VA-8150CV VA-8600			ALC-404D ALC-1604D
<b>Commercial Space</b>	AMP-A60H		REVAMP1120T REVAMP2060T REVAMP2120T REVAMP4240T	MA120 MA240	
<b>Conferencing</b>	AMP-450BP AMP-A460H		AMP-D225H REVAMP2060T		
<b>Large Venues</b>	XEL 1200.2				ALC-404D ALC-1604D ALC-3202D
<b>Paging</b>	XEL 1200.1 AMP-450P AMP-4300R CV	VA-2060 VA-4030 VA-4300CV VA-8150CV VA-8600	REVAMP4120T AMP-A460H	MA30 MA60	ALC-404D
<b>Presentation Space</b>	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.



Istra Premium Camping Resort  
Funtana, Croatia





6301 Benjamin Rd., Suite 101  
Tampa, FL 33634

[avispl.com/biamp](http://avispl.com/biamp)

Contact your account  
manager today or  
call us at 866.559.8197

**biamp.**

**AVI**  **SPL**®