

# LOUDSPEAKER CATALOG

Fixed install audio solutions for every space





# CONTENTS

## 1) PERFORMANCE & SPECIALTY

- V Series Point Source ..... 9
- V Series Subwoofers ..... 12
- W Series ..... 13
- R Series Point Source..... 15
- Horns & Voice Projection..... 18
- I Series ..... 19
- L Series..... 28
- PolyGlas Technology ..... 30
- VenuePolar..... 32

## 2) BUSINESS AUDIO

- Ceiling Mount ..... 36
- Pendant ..... 42
- Surface Mount ..... 45
- Column ..... 50
- Subwoofers ..... 54

## 3) COMMERCIAL

- Ceiling Mount ..... 58
- Surface Mount ..... 64
- Aisle Loudspeakers ..... 66
- Horns & Music Projectors ..... 67
- EN54-24 ..... 70

## 4) AMPLIFIERS

- Voltera Amplifiers & ALCs..... 76
- Tesira Amplifiers ..... 79
- Vocia Amplifiers..... 80
- Power Amplifiers ..... 81
- Mixer Amplifiers..... 83
- Community ALCs ..... 83



# SUPERB AUDIO FOR BUSINESS, COMMERCIAL, AND SPECIALTY APPLICATIONS

Discover the full line of Biamp loudspeakers and amplifiers, designed to deliver exceptional audio performance across a wide range of environments. From Desono™ loudspeakers that provide outstanding speech intelligibility and versatile sound reproduction, to Community™ loudspeakers engineered for flexible indoor and outdoor reinforcement, to Commercial loudspeakers built for efficient installation in diverse spaces, Biamp offers solutions for virtually any application.

Biamp amplifiers extend that flexibility even further, supporting everything from conferencing spaces to large venues. With features such as rack-mount design, PoE+ power, silent operation, and Dante® compatibility, the portfolio is built for easy integration, reliable performance, and extraordinary sound in every space.

## COMPLIMENTARY DESIGN TOOLS

Biamp has created a suite of online tools designed to streamline designing, budgeting, bidding, and installing Biamp loudspeakers and other audio equipment – each one on-demand and at no cost.

### Warehouse Designer

- Design a complete warehouse audio system using Biamp speakers.
- New auralization feature lets you hear how different loudspeaker solutions will sound throughout your warehouse, allowing you to validate sound system designs before making investment decisions.



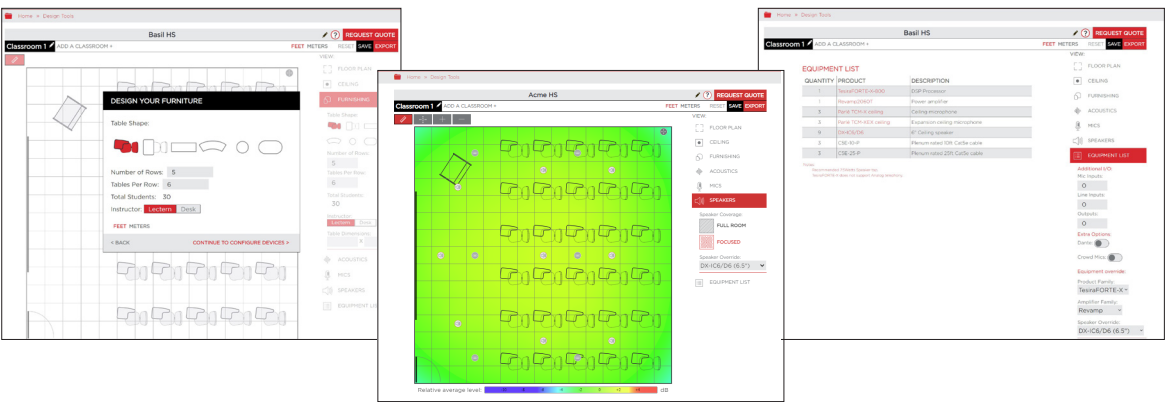
### Conference Room Designer

- Create an entire conference room audio system plan that features Biamp microphones and speakers.



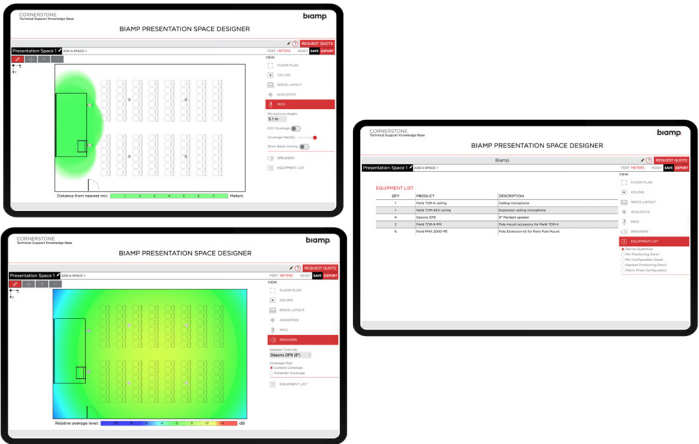
### Classroom Designer

- Plan classroom audio systems using Biamp microphones, speakers, amplifiers, and DSPs.



### Presentation Space Designer

- Simplify planning with precise microphone placement, loudspeaker coverage, beam configuration guidance, and gain matrix settings. This intuitive design tool streamlines installations and eliminates guesswork.



### Loudspeaker Design Services

- Leverage the expertise of Biamp Loudspeaker Solutions Applications Engineers, skilled technical experts that provide EASE sound system design for any application.





# PERFORMANCE & SPECIALTY

Application-driven loudspeakers with precision coverage and premium sound quality

Community™ loudspeakers represent more than 50 years of innovation at the leading edge of professional sound. Whether covering 50,000 fans in an open-air stadium, filling a historic performing arts center, or broadcasting emergency voice communication across a sprawling campus, Community loudspeakers are engineered for situations where audio quality, reliability, and precise coverage are non-negotiable. Unlike general-purpose loudspeakers, every Community product is purpose-built for specific acoustic demands. Backed by unique technologies including PolyGlas™ enclosures, asymmetric beamforming, and the VenuePolar™ design tool, Community solutions deliver capabilities that competing brands cannot match.

- 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, indoor, point source loudspeakers for a wide variety of fixed-installation venues, including ballrooms, restaurants, houses of worship, and convention spaces. Compact to large-format models scale to any room.

- Portrait or landscape mounting orientation adapts to any installation geometry.
- U-brackets included with compact models; a wide range of optional mounting accessories further simplifies installation.
- 70V/100V transformer-ready T-models integrate directly into distributed audio systems without additional hardware.
- Dual woofer models (V2-26, V2-28) deliver significantly higher output for larger spaces from the same compact footprint.



## V Series Stage Monitors

- Deliver true, natural sound reproduction in a sleek, low-profile wedge design.
- Smooth 115° (MX8) and 100° (MX10) conical dispersion for even stage coverage, delivering clear audio to every performer.



Šibenik Convention Center  
Šibenik, Croatia



PERFORMANCE & SPECIALTY: V SERIES POINT SOURCE

|                         |                                                                                           |                                                                                                    |                                                                                            |                                                                                                        |                                                                                                |                                                                                                |                                                                                                |                                                                                                |                                                                                            |                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
|                         | <br>V2-6 | <br>V2-8<br>V2-8T | <br>V2-26 | <br>V2-28<br>V2-28T | <br>V2-1296 | <br>V2-1596 | <br>V2-3294 | <br>V2-3594 | <br>MX8 | <br>MX10 |
| Loudspeaker Type        | Two-way, 6.5-inch full-range compact loudspeaker                                          | Two-way, 8-inch full-range compact loudspeaker                                                     | Two-way, dual 6.5-inch full-range compact loudspeaker                                      | Two-way, dual 8-inch full-range compact loudspeaker                                                    | Two-way, 12-inch full-range loudspeaker system                                                 | 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                                                  |
| Drivers                 | LF 1 x 6.5"<br>HF 1 x 1"                                                                  | LF 1 x 8"<br>HF 1 x 1"                                                                             | LF 2 x 6.5"<br>HF 1 x 1"                                                                   | LF 2 x 8"<br>HF 1 x 1"                                                                                 | LF 1 x 12"<br>HF 1 x 1"                                                                        | LF 1 x 15"<br>HF 1 x 1"                                                                        | LF 1 x 12"<br>MF 1 x 6.5"<br>HF 1 x 1"                                                         | LF 1 x 15"<br>MF 1 x 6.5"<br>HF 1 x 1"                                                         | LF 1 x 8"<br>HF 1 x 1.25"                                                                  | LF 1 x 10"<br>HF 1 x 1.25"                                                                  |
| Operating Range         | 90 Hz - 18 kHz                                                                            | 70 Hz - 18 kHz                                                                                     | 70 Hz - 18 kHz                                                                             | 60 Hz - 18 kHz                                                                                         | 60 Hz - 18 kHz                                                                                 | 60 Hz - 18 kHz                                                                                 | 60 Hz - 18 kHz                                                                                 | 55 Hz - 18 kHz                                                                                 | 80 Hz - 18 kHz                                                                             | 70 Hz - 18 kHz                                                                              |
| Sensitivity (1W/1m)     | 92 dB                                                                                     | V2-8: 92 dB<br>V2-8T: 91 dB                                                                        | 92 dB                                                                                      | V2-28: 94 dB<br>V2-28T: 93 dB                                                                          | 98 dB                                                                                          | 98 dB                                                                                          | 99 dB                                                                                          | 99 dB                                                                                          | 96 dB                                                                                      | 99 dB                                                                                       |
| Power Rating            | 100W Cont.<br>400W Peak                                                                   | V2-8:<br>150W Cont.<br>600W Peak                                                                   | 200W Cont.<br>800W Peak                                                                    | V2-28:<br>300W Cont.<br>1200W Peak                                                                     | 200W Cont.<br>800W Peak                                                                        | 200W Cont.<br>800W Peak                                                                        | 200W Cont.<br>800W Peak                                                                        | 200W Cont.<br>800W Peak                                                                        | 150W Cont.<br>600W Peak                                                                    | 200W Cont.<br>800W Peak                                                                     |
| Max Output @1m          | 112 dB<br>118 dB Peak                                                                     | 114 dB<br>120 dB Peak                                                                              | 115 dB<br>121 dB Peak                                                                      | 119 dB<br>125 dB Peak                                                                                  | 121 dB<br>127 dB Peak                                                                          | 121 dB<br>127 dB Peak                                                                          | 122 dB<br>128 dB Peak                                                                          | 122 dB<br>128 dB Peak                                                                          | 118 dB<br>124 dB Peak                                                                      | 122 dB<br>128 dB Peak                                                                       |
| Nominal Impedance       | 8Ω                                                                                        | V2-8: 8Ω                                                                                           | 4Ω                                                                                         | V2-28: 4Ω                                                                                              | 8Ω                                                                                             | 8Ω                                                                                             | 8Ω                                                                                             | 8Ω                                                                                             | 8Ω                                                                                         | 8Ω                                                                                          |
| Dispersion (H x V)      | 90° x 70°                                                                                 | 90° x 70°                                                                                          | 90° x 70°                                                                                  | 90° x 70°                                                                                              | 90° x 60°                                                                                      | 90° x 60°                                                                                      | 90° x 40°                                                                                      | 90° x 40°                                                                                      | 115° conical                                                                               | 100° conical                                                                                |
| Transformer Taps        | n/a                                                                                       | V2-8T: 70V: 100W,<br>50W, 25W, 12.5W<br>100V: 100W, 50W,<br>25W                                    | n/a                                                                                        | V2-28T: 70V: 200W,<br>100W, 50W, 25W<br>100V: 200W, 100W,<br>50W                                       | n/a                                                                                            | n/a                                                                                            | n/a                                                                                            | n/a                                                                                            | n/a                                                                                        | n/a                                                                                         |
| Environmental           | Indoor                                                                                    | Indoor                                                                                             | Indoor                                                                                     | Indoor                                                                                                 | Indoor                                                                                         | Indoor                                                                                         | Indoor                                                                                         | Indoor                                                                                         | Indoor                                                                                     | Indoor                                                                                      |
| RAL Color               | Black RAL 9005<br>White RAL 9003                                                          | Black RAL 9005<br>White RAL 9003                                                                   | Black RAL 9005<br>White RAL 9003                                                           | Black RAL 9005<br>White RAL 9003                                                                       | Black RAL 9005<br>White RAL 9003                                                               | Black RAL 9005<br>White RAL 9003                                                               | Black RAL 9005<br>White RAL 9003                                                               | Black RAL 9005<br>White RAL 9003                                                               | Black RAL 9005<br>White RAL 9003                                                           | Black RAL 9005<br>White RAL 9003                                                            |
| Dimensions<br>H x W x D | 15.5" x 9.8" x 10.1"<br>(395 x 249 x 258 mm)                                              | 17" x 11.3" x 11.7"<br>(433 x 287 x 298 mm)                                                        | 22.5" x 9.8" x 10.1"<br>(573 x 249 x 258 mm)                                               | 25.5" x 11.3" x 11.7"<br>(649 x 287 x 298 mm)                                                          | 23.9" x 15.4" x 14.3"<br>(608 x 390 x 362 mm)                                                  | 27.2" x 18.4" x 15.9"<br>(690 x 467 x 404 mm)                                                  | 29.3" x 17.4" x 15.4"<br>(744 x 441 x 390 mm)                                                  | 32.4" x 18.4" x 15.9"<br>(823 x 467 x 404 mm)                                                  | 10.4" x 10.8" x 14.5"<br>(263 x 275 x 367 mm)                                              | 10.8" x 12.6" x 16.5"<br>(275 x 321 x 419 mm)                                               |
| Weight                  | 19.7 lbs (8.9 kg)<br>21.7 lbs (9.9 kg) with<br>autoformer                                 | 25.3 lbs (11.5 kg)<br>27.3 lbs (12.5 kg) with<br>autoformer                                        | 28.1 lbs (12.7 kg)<br>30.1 lbs (13.7 kg) with<br>autoformer                                | 36.7 lbs (16.7 kg)<br>38.7 lbs (17.7 kg) with<br>autoformer                                            | 38.4 lbs (17.4 kg)                                                                             | 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

- Affordable, compact subwoofers designed to extend the low-frequency output of Community and Desono systems.
- The VLF208LV Large Volume variant and the V2-212S/215S dual-driver models scale from small to large room applications.

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

W SERIES

- Premium-quality outdoor loudspeakers engineered for long-term exposed installation in marinas, resort terraces, outdoor dining, and distributed outdoor audio systems.
- Fiberglass composite enclosure, stainless steel U-bracket and hardware, and marine-grade aluminum grille resist salt-air corrosion in coastal environments.
- IP55-rated, with a built-in 70V/100V autoformer available for distributed system compatibility.
- Flat near-field response delivers natural, accurate music reproduction at high output levels.



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





Talladega Superspeedway  
Lincoln, Alabama

## R SERIES POINT SOURCE

- The outdoor audio workhorse for stadiums, racetracks, theme parks, airports, and to meet MIL-STD-810G military standards (the most stringent durability specification in the industry), R Series loudspeakers operate in conditions that disable competing products.
- Built to deliver clear music, high impact announcements, and life-safety voice communications in the most challenging outdoor environments.
- MIL-STD-810G tested for extreme heat, cold, humidity, salt mist, solar radiation, and vibration—far exceeding the durability of any IP-rated commercial competitor.
- Full bandwidth, high output, and controlled coverage patterns maximize intelligibility in outdoor or reverberant indoor environments.



## R Series Premium Music Solutions

- Flat frequency response and phase aligned for premium outdoor music at high volume in resorts, outdoor entertainment venues, and premier sports facilities.

## R Series Voice and Music Solutions

- High-efficiency, full-range loudspeakers optimized for voice clarity and music—ideal for transportation hubs, industrial campuses, schools, and large outdoor spaces.



Winslow Township High School  
Atco, New Jersey



PERFORMANCE & SPECIALTY: POINT SOURCE R SERIES (PREMIUM MUSIC | VOICE & MUSIC)

|                                                  | <br>R.15COAX | <br>R.15-3696                                                                           | <br>R.35COAX | <br>R.35-3896 | <br>R.5COAX<br>R.5COAXT | <br>R.5-MAX | <br>R2-MAX             | <br>R.25-94Z<br>R.25-94TZ | <br>R.5<br>R.5T                                  | <br>R.5HP<br>R.5HPT-R | <br>R1 | <br>R2                     |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|                                                  | PREMIUM MUSIC                                                                                 |                                                                                                                                                                          |                                                                                               |                                                                                                 |                                                                                                            |                                                                                                |                                                                                                           | VOICE & MUSIC                                                                                                |                                                                                                                                     |                                                                                                          |                                                                                           |                                                                                                               |
| Loudspeaker Type                                 | Two-way, 6.5-inch coaxial weather-resistant loudspeaker                                       | Three-way, 6.5-inch full range 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                          | 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                                      |
| Drivers                                          | LF 1 x 6.5"<br>HF 1 x 1.25"                                                                   | LF 1 x 6"<br>MF 2 x 2.35"<br>1 x 1"                                                                                                                                      | LF x 10"<br>HF 1 x 1.25"                                                                      | LF 1 x 8"<br>MF 2 x 2.35"<br>1 x 1"                                                             | LF 1 x 12"<br>HF 1 x 1"                                                                                    | LF 1 x 12"<br>HF 1 x 1.4"                                                                      | R2-52MAX: LF 2 x 12",<br>MF 2 x 2", HF 1 x 1"<br>R2-64/66/94MAX:<br>LF 2 x 12", MF 1 x 2",<br>HF 1 x 1.4" | LF 1 x 8"<br>HF 1 x 0.75"                                                                                    | LF 1 x 12"<br>HF 1 x 1"                                                                                                             | LF 1 x 12"<br>MF 1 x 2"<br>HF 1 x 1"                                                                     | LF 1 x 12"<br>HF 1 x 1"                                                                   | R2-52Z: LF 2 x 12",<br>MF 2 x 2", HF 1 x 1"<br>R2-474/694/77/94Z:<br>LF 2 x 12", MF 1 x 2",<br>HF 1 x 1"      |
| Operating Range                                  | 90 Hz - 16 kHz                                                                                | 142 Hz - 19.4 kHz                                                                                                                                                        | 70 Hz - 16 kHz                                                                                | 80 Hz - 16 kHz                                                                                  | 80 Hz - 18 kHz                                                                                             | 85 Hz - 21.8 kHz                                                                               | R2-52MAX: 71 Hz - 19.5 kHz<br>R2-64MAX: 71 Hz - 22.4 kHz<br>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<br>R2-694/77Z: 70 Hz - 16.5 kHz<br>R2-94Z: 70 Hz - 15 kHz                          |
| Sensitivity (1W/1m)                              | 94 dB                                                                                         | 100 dB                                                                                                                                                                   | 97 dB                                                                                         | 98 dB                                                                                           | 98 dB <sup>1</sup>                                                                                         | 104 dB <sup>1</sup>                                                                            | LF: 103 dB <sup>1</sup><br>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>                                                                                           |
| Power Rating                                     | 150W Cont.<br>600W Peak                                                                       | 100W Cont.;<br>800W Peak                                                                                                                                                 | 200W Cont.<br>800W Peak                                                                       | 400W Cont.<br>1600W Peak                                                                        | R.5COAX66 / R.5COAX99:<br>200W Cont.<br>800W Peak                                                          | 600W Cont.<br>2400W Peak                                                                       | LF:<br>1200W Cont. / 4800W Peak<br>MF/HF:<br>350W Cont. / 1400W Peak                                      | R.25-94Z:<br>200W Cont.<br>800W Peak                                                                         | R.5-66/94/99Z:<br>200W Cont.<br>800W Peak                                                                                           | R.5HP:<br>200W Cont.<br>800W Peak                                                                        | 200W Cont.<br>800W Peak                                                                   | 400W Cont.<br>1600W Peak                                                                                      |
| Max Output @1m                                   | 116 dB<br>122 dB Peak                                                                         | 116 dB<br>122 dB Peak                                                                                                                                                    | 120 dB<br>126 dB Peak                                                                         | 124 dB<br>130 dB Peak                                                                           | 121 dB <sup>1</sup><br>127 dB Peak <sup>1</sup>                                                            | 132 dB <sup>1</sup><br>138 dB Peak <sup>1</sup>                                                | 135 dB <sup>1</sup><br>141 dB Peak <sup>1</sup>                                                           | 120 dB<br>126 dB Peak                                                                                        | 126 dB <sup>1</sup><br>132 dB Peak <sup>1</sup>                                                                                     | 129 dB <sup>1</sup><br>135 dB Peak <sup>1</sup>                                                          | 128 dB <sup>1</sup><br>134 dB Peak <sup>1</sup>                                           | 133 dB <sup>1</sup><br>139 dB Peak <sup>1</sup>                                                               |
| Nominal Impedance                                | 8Ω or 70V/100V                                                                                | 4 ohm or 70V/100V                                                                                                                                                        | 8Ω or 70V/100V                                                                                | 8Ω or 70V/100V                                                                                  | 8Ω (Various)                                                                                               | 8Ω                                                                                             | LF: 8Ω<br>MF/HF: 8Ω                                                                                       | 8Ω (Various)                                                                                                 | 8Ω                                                                                                                                  | 8Ω (Various)                                                                                             | 8Ω                                                                                        | 4Ω                                                                                                            |
| Dispersion (H x V)                               | 100° x 100°                                                                                   | 90° x 60°                                                                                                                                                                | 90° x 90°                                                                                     | 90° x 60°                                                                                       | R.5COAX66: 60° x 60°<br>R.5COAX66T: 60° x 60°<br>R.5COAX99: 90° x 90°<br>R.5COAX99T: 90° x 90°             | R.5-66MAX: 60° x 60°<br>R.5-96MAX: 90° x 60°                                                   | R2-52MAX: 50° x 20°<br>R2-64MAX: 60° x 40°<br>R2-66MAX: 60° x 60°<br>R2-94MAX: 90° x 40°                  | 90° x 40°                                                                                                    | R.5-66Z: 60° x 60°<br>R.5-66TZ: 60° x 60°<br>R.5-94Z: 90° x 40°<br>R.5-94TZ: 90° x 40°<br>R.5-99Z: 90° x 90°<br>R.5-99TZ: 90° x 90° | 60° x 40°                                                                                                | R1-64Z: 60° x 40°<br>R1-66Z: 60° x 60°<br>R1-94Z: 90° x 40°                               | R2-52Z: 50° x 20°<br>R2-474Z: 40-70° x 40°<br>R2-694Z: 60-90° x 40°<br>R2-77Z: 60° x 60°<br>R2-94Z: 80° x 40° |
| Transformer Taps                                 | 70V: 120W, 60W, 30W,<br>15W<br>100V: 120W, 60W, 30W                                           | 70V: 100W, 50W, 25W, 12.5W<br>100V: 100W, 50W, 25W                                                                                                                       | 70V: 200W, 100W, 50W,<br>25W<br>100V: 200W, 100W, 50W                                         | 70V: 200W, 100W,<br>50W, 25W<br>100V: 200W, 100W, 50W                                           | R.5COAX66T / R.5COAX99T:<br>70V: 200W, 100W,<br>50W, 25W<br>100V: 200W, 100W, 50W                          | n/a                                                                                            | n/a                                                                                                       | R.25-94TZ:<br>70V: 200W, 100W,<br>50W, 25W<br>100V: 200W, 100W, 50W                                          | R.5-66/94/99TZ:<br>70V: 200W, 100W,<br>50W, 25W<br>100V: 200W, 100W, 50W                                                            | R.5HPT/-R:<br>70V: 200W, 100W,<br>50W, 25W<br>100V: 200W, 100W, 50W                                      | n/a                                                                                       | n/a                                                                                                           |
| Compliance                                       | n/a                                                                                           | n/a                                                                                                                                                                      | n/a                                                                                           | EN54-24                                                                                         | n/a                                                                                                        | n/a                                                                                            | n/a                                                                                                       | n/a                                                                                                          | n/a                                                                                                                                 | n/a                                                                                                      | EN54-24                                                                                   | EN54-24                                                                                                       |
| Environmental                                    | IP55W per IEC 60529,<br>Designed to MIL-STD-810G                                              | IP54 per IEC 529, IEC 60068-2-5 (Solar Radiation)<br>IEC 60068-2-11 (Salt Mist)<br>IEC 60068-2-42 (SO2)<br>IEC 60068-2-60 (Chlorine)<br>IEC 60068-2-1 (Cold operational) | IP55W per IEC 60529,<br>Designed to MIL-STD-810G                                              | IP55W per IEC 60529,<br>Designed to MIL-STD-810G                                                | IP54W per IEC 60529                                                                                        | IP55W per IEC 60529,<br>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                                             | IP55W per IEC 60529, Designed to MIL-STD-810G                                                                 |
| RAL Color                                        | Grey RAL 7038<br>Black RAL 9005                                                               | Grey RAL 7038                                                                                                                                                            | Grey RAL 7038<br>Black RAL 9005                                                               | Grey RAL 7038<br>Black RAL 9005                                                                 | Grey RAL 7038<br>Black RAL 9005                                                                            | Black RAL 9005<br>Grey RAL 7038                                                                | Grey RAL 7038                                                                                             | Grey RAL 7038                                                                                                | Grey RAL 7038                                                                                                                       | Grey RAL 7038                                                                                            | Grey RAL 7038                                                                             | Grey RAL 7038                                                                                                 |
| Dimensions H x W x D                             | 9" x 10.15" x 10.2"<br>(229 x 258 x 259 mm)                                                   | 9.25" x 9.25" x 14.00" (235 x 235 x 356 mm)                                                                                                                              | 11" x 13" x 13.5"<br>(279 x 330 x 343 mm)                                                     | 11" x 13" x 13.5"<br>(279 x 330 x 343 mm)                                                       | 16" x 16" x 16"<br>(406 x 406 x 406 mm)                                                                    | 16" x 16" x 16.2"<br>(406 x 406 x 411 mm)                                                      | 24.8" x 24.8" x 30.8"<br>(629 x 629 x 781 mm)                                                             | 11.3" x 11.3" x 13.3"<br>(287 x 287 x 338 mm)                                                                | 16" x 16" x 16.2"<br>(406 x 406 x 411 mm)                                                                                           | 16" x 16" x 16.2"<br>(406 x 406 x 411 mm)                                                                | 24.8" x 24.8" x 29.8"<br>(629 x 629 x 756 mm)                                             | 24.8" x 24.8" x 30.8"<br>(629 x 629 x 781 mm)                                                                 |
| Weight (loudspeaker with included mounting yoke) | 17 lbs (7.7 kg)                                                                               | 12.6 lbs (5.7 kg)                                                                                                                                                        | 26 lbs (11.8 kg)                                                                              | 34 lbs (15.4 kg)                                                                                | R.5COAX:<br>35 lbs (15.9 kg)<br>R.5COAXT:<br>38.5 lbs (17.46 kg)                                           | 47 lbs (21.3 kg)                                                                               | R2-64/66/94MAX:<br>115 lbs (52.2 kg)<br>R2-52MAX:<br>122 lbs (55.3 kg)                                    | R.25-94Z:<br>20 lbs (9.1 kg)<br>R.25-94TZ:<br>23 lbs (10.4 kg)                                               | R.5: 35 lbs (15.9 kg)<br>R.5T: 37 lbs (16.8 kg)                                                                                     | R.5HP:<br>42.3 lbs (19.2 kg)<br>R.5HPT/HPT-R:<br>45.5 lbs (20.6 kg)                                      | 55.5 lbs (25.2 kg)                                                                        | R2-77/474/694/94Z:<br>96 lbs (43.5 kg)<br>R2-52Z:<br>126 lbs (57.2 kg)                                        |

<sup>1</sup>Highest representative output among various horn pattern and transformer options per base model



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



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

I SERIES POINT SOURCE

The flagship fixed-installation point source family for performing arts centers, sports venues, concert halls, and houses of worship. Two performance tiers—600 and 800 level—allow every loudspeaker in a system to be precisely matched to its acoustic role, producing consistent, cohesive coverage.

- 800-level neodymium drivers are lighter and deliver lower distortion than their ferrite counterparts, enabling high-performance systems with reduced weight.
- 600-level ferrite drivers cover a broad range of installation needs at accessible cost without sacrificing professional-grade quality.
- IP55 outdoor ratings plus PolyGlas™ enclosure options extend premium performance to outdoor installations—most high-end competitors do not compare this at this performance level.
- Compact 600-level under-balcony, front-fill, side-fill, and distributed models ensure consistent coverage for every seat, including challenging areas.
- MIL-STD-810G rated for the most demanding permanent outdoor applications.





PERFORMANCE & SPECIALTY: I SERIES POINT SOURCE

|                                  |                                                                                                                           |                                                                                                                              |                                                                                                                               |                                                                                                                                                                                                |                                                                                                                                                                                            |                                                                                                                                                                                                  |                                                                                                                                                                                                |                                                                                                        |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|                                  | <br><b>IC6-1062</b><br><b>IC6-1062T</b>  | <br><b>IC6-1082</b><br><b>IC6-1082T</b>     | <br><b>IC6-2082</b><br><b>IC6-2082T</b>    | <br><b>IP6-1122</b>                                                                                         | <br><b>IP6-1152</b>                                                                                     | <br><b>IP8-1122</b>                                                                                           | <br><b>IP8-1152</b>                                                                                         | <br><b>IP8-1153</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                                                                                                                                         | 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                                                 |
| <b>Drivers</b>                   | LF 1 x 6.5"<br>HF 1 x 1"                                                                                                  | LF 1 x 8"<br>HF 1 x 1"                                                                                                       | LF 2 x 8"<br>HF 1 x 1"                                                                                                        | LF 1 x 12"<br>HF 1 x 1.4"                                                                                                                                                                      | LF 1 x 15"<br>HF 1 x 1.4"                                                                                                                                                                  | LF 1 x 12"<br>HF 1 x 1.4"                                                                                                                                                                        | LF 1 x 15"<br>HF 1 x 1.4"                                                                                                                                                                      | LF 1 x 15"<br>MF 1 x 2"<br>HF 1 x 1.4"                                                                 |
| <b>Operating Range</b>           | 56 Hz - 18.5 kHz                                                                                                          | IC6-1082/26: 52 Hz - 19.5 kHz<br>IC6-1082/96: 53 Hz - 20 kHz                                                                 | IC6-2082/26: 49 Hz - 20 kHz<br>IC6-2082/96: 50 Hz - 19.5 kHz                                                                  | IP6-1122/26: 37 Hz - 17.5 kHz<br>IP6-1122/64: 38 Hz - 17.5 kHz<br>IP6-1122/66: 38 Hz - 18.5 kHz<br>IP6-1122/94: 38 Hz - 17.5 kHz<br>IP6-1122/96: 37 Hz - 19 kHz<br>IP6-1122/99: 36 Hz - 19 kHz | IP6-1152/26: 30 Hz - 17.5 kHz<br>IP6-1152/64: 30 Hz - 18 kHz<br>IP6-1152/66: 32 Hz - 19 kHz<br>IP6-1152/94: 30 Hz - 18 kHz<br>IP6-1152/96: 30 Hz - 19.5 kHz<br>IP6-1152/99: 28 Hz - 19 kHz | IP8-1122/26: 43 Hz - 18.5 kHz<br>IP8-1122/64: 44 Hz - 19 kHz<br>IP8-1122/66: 43 Hz - 22.4 kHz<br>IP8-1122/94: 44 Hz - 18.5 kHz<br>IP8-1122/96: 44 Hz - 22.4 kHz<br>IP8-1122/99: 43 Hz - 19.5 kHz | IP8-1152/26: 30 Hz - 18.5 kHz<br>IP8-1152/64: 31 Hz - 19 kHz<br>IP8-1152/66: 31 Hz - 19.5 kHz<br>IP8-1152/94: 31 Hz - 18 kHz<br>IP8-1152/96: 30 Hz - 22.4 kHz<br>IP8-1152/99: 29 Hz - 19.5 kHz | IP8-1153/64: 30 Hz - 18.5 kHz<br>IP8-1153/66: 30 Hz - 21.8 kHz<br>IP8-1153/94: 30 Hz - 16.5 kHz        |
| <b>Sensitivity (1W/1m)</b>       | 92 dB                                                                                                                     | 95 dB                                                                                                                        | 100 dB                                                                                                                        | 95 dB <sup>1</sup>                                                                                                                                                                             | 96 dB <sup>1</sup>                                                                                                                                                                         | 95 dB <sup>1</sup>                                                                                                                                                                               | 95 dB <sup>1</sup>                                                                                                                                                                             | LF: 96 dB <sup>1</sup><br>MF/HF: 107 dB <sup>1</sup>                                                   |
| <b>Power Rating</b>              | 150W Cont.<br>600W Peak                                                                                                   | IC6-1082/26, IC6-1082/96: 250W Cont.<br>1000W Peak                                                                           | IC6-2082/26, IC6-2082/96: 300W Cont.<br>1200W Peak                                                                            | 600W Cont.<br>2400W Peak                                                                                                                                                                       | 600W Cont.<br>2400W Peak                                                                                                                                                                   | 800W Cont.<br>3200W Peak                                                                                                                                                                         | 800W Cont.<br>3200W Peak                                                                                                                                                                       | LF: 600W Cont. / 2400W Peak<br>MF/HF: 275W Cont. / 1100W Peak                                          |
| <b>Max Output @1m</b>            | 114 dB<br>120 dB Peak                                                                                                     | 119 dB <sup>1</sup><br>125 dB Peak <sup>1</sup>                                                                              | 125 dB <sup>1</sup><br>131 dB Peak <sup>1</sup>                                                                               | 123 dB <sup>1</sup><br>129 dB Peak <sup>1</sup>                                                                                                                                                | 124 dB <sup>1</sup><br>130 dB Peak <sup>1</sup>                                                                                                                                            | 124 dB <sup>1</sup><br>130 dB Peak <sup>1</sup>                                                                                                                                                  | 124 dB <sup>1</sup><br>130 dB Peak <sup>1</sup>                                                                                                                                                | LF: 124 dB / 130 dB Peak <sup>1</sup><br>MF/HF: 131 dB / 137 dB Peak <sup>1</sup>                      |
| <b>Nominal Impedance</b>         | 8Ω                                                                                                                        | 8Ω                                                                                                                           | 16Ω                                                                                                                           | 8Ω                                                                                                                                                                                             | 8Ω                                                                                                                                                                                         | 8Ω                                                                                                                                                                                               | 8Ω                                                                                                                                                                                             | LF: 8Ω<br>MF/HF: 8Ω                                                                                    |
| <b>Dispersion (H x V)</b>        | 100° x 100°                                                                                                               | IC6-1082/26: 120° x 60°<br>IC6-1082T26: 120° x 60°<br>IC6-1082/96: 90° x 60°<br>IC6-1082T96: 90° x 60°                       | IC6-2082/26: 120° x 60°<br>IC6-2082T26: 120° x 60°<br>IC6-2082/96: 90° x 60°<br>IC6-2082T96: 90° x 60°                        | IP6-1122/26: 120° x 60°<br>IP6-1122/64: 60° x 40°<br>IP6-1122/66: 60° x 60°<br>IP6-1122/94: 90° x 40°<br>IP6-1122/96: 90° x 60°<br>IP6-1122/99: 90° x 90°                                      | IP6-1152/26: 120° x 60°<br>IP6-1152/64: 60° x 40°<br>IP6-1152/66: 60° x 60°<br>IP6-1152/94: 90° x 40°<br>IP6-1152/96: 90° x 60°<br>IP6-1152/99: 90° x 90°                                  | IP8-1122/26: 120° x 60°<br>IP8-1122/64: 60° x 40°<br>IP8-1122/66: 60° x 60°<br>IP8-1122/94: 90° x 40°<br>IP8-1122/96: 90° x 60°<br>IP8-1122/99: 90° x 90°                                        | IP8-1152/26: 120° x 60°<br>IP8-1152/64: 60° x 40°<br>IP8-1152/66: 60° x 60°<br>IP8-1152/94: 90° x 40°<br>IP8-1152/96: 90° x 60°<br>IP8-1152/99: 90° x 90°                                      | IP8-1153/64: 60° x 40°<br>IP8-1153/66: 60° x 60°<br>IP8-1153/94: 90° x 40°                             |
| <b>Transformer Taps</b>          | IC6-1062T00:<br>70V: 100W, 50W, 25W 12.5W<br>100V: 100W, 50W, 25W                                                         | IC6-1082T26, IC6-1082T96:<br>70V: 200W, 100W, 50W, 25W<br>100V: 200W, 100W, 50W                                              | IC6-2082T26, IC6-2082T96:<br>70V: 200W, 100W, 50W, 25W<br>100V: 200W, 100W, 50W                                               | n/a                                                                                                                                                                                            | n/a                                                                                                                                                                                        | n/a                                                                                                                                                                                              | n/a                                                                                                                                                                                            | n/a                                                                                                    |
| <b>Environmental</b>             | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                                             | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                                                | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                                                 | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                                                                                                                  | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                                                                                                              | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                                                                                                                    | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                                                                                                                  | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                          |
| <b>RAL Color</b>                 | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (outdoor)                                                               | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (outdoor)                                                                  | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (outdoor)                                                                   | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (outdoor)                                                                                                                                    | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (outdoor)                                                                                                                                | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (outdoor)                                                                                                                                      | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (outdoor)                                                                                                                                    | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (outdoor)                                            |
| <b>Dimensions H x W x D</b>      | 14.3" x 8.0" x 8.9"<br>(363 x 203 x 227 mm)                                                                               | 18.75" x 10.4" x 10.6"<br>(476 x 264 x 270 mm)                                                                               | 11.3" x 22.5" x 10.6"<br>(287 x 571 x 270 mm)                                                                                 | 28.0" x 14.5" x 17.7"<br>(711 x 368 x 450 mm)                                                                                                                                                  | 30.8" x 16.5" x 20.1"<br>(782 x 419 x 510 mm)                                                                                                                                              | 28.0" x 14.5" x 17.7"<br>(711 x 368 x 450 mm)                                                                                                                                                    | 30.8" x 16.5" x 20.1"<br>(782 x 419 x 510 mm)                                                                                                                                                  | 39.0" x 22.1" x 26.3"<br>(991 x 561 x 668 mm)                                                          |
| <b>Weight (loudspeaker only)</b> | IC6-1062: 16 lbs (7.3 kg)<br>IC6-1062T: 20 lbs (9.1 kg)<br>IC6-1062WR: 12.6 lbs (5.7 kg)<br>IC6-1062WT: 16.6 lbs (7.5 kg) | IC6-1082: 25 lbs (11.3 kg)<br>IC6-1082T: 29 lbs (13.2 kg)<br>IC6-1082WR: 19.2 lbs (8.7 kg)<br>IC6-1082WT: 23.2 lbs (10.5 kg) | IC6-2082: 31 lbs (14.1 kg)<br>IC6-2082T: 35 lbs (15.9 kg)<br>IC6-2082WR: 23.9 lbs (10.8 kg)<br>IC6-2082WT: 27.9 lbs (12.7 kg) | 65 lbs (29.5 kg)                                                                                                                                                                               | 79 lbs (35.8 kg)                                                                                                                                                                           | 55 lbs (24.9 kg)                                                                                                                                                                                 | 68 lbs (30.8 kg)                                                                                                                                                                               | 105 lbs (47.6 kg)                                                                                      |

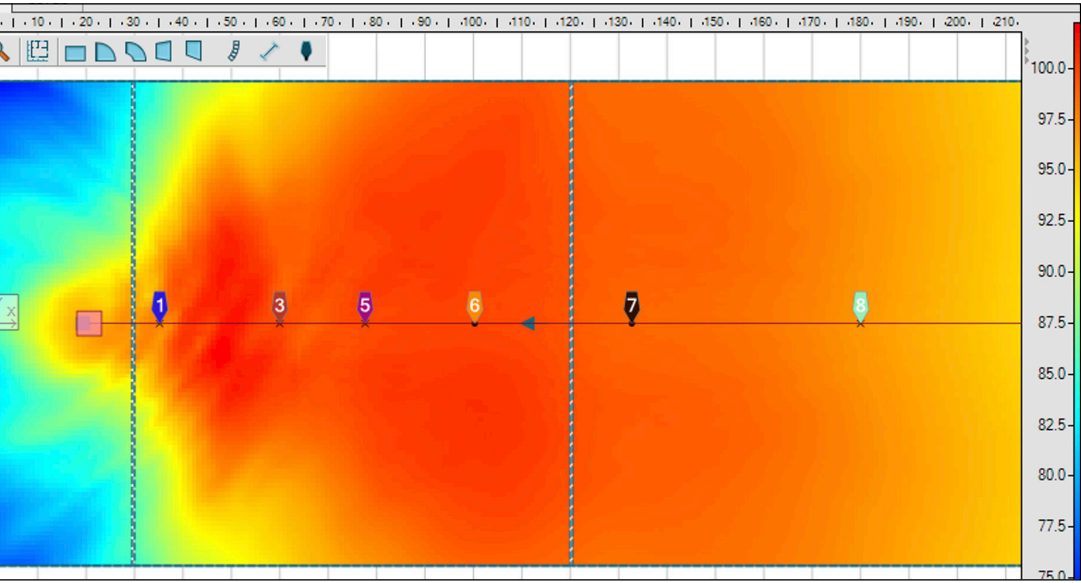
<sup>1</sup>Highest representative output among various horn pattern and transformer options per base model



I SERIES LINE ARRAY

The IV6 is the only passive modular line array that eliminates the external DSP hardware that competing systems require for basic functionality. Built-in Passive Acoustic Optimization (PAO) delivers 55 per-cabinet attenuation profiles from a single amplifier channel—reducing cost, cabling, and rack space. Mix narrow (5°) and wide (15°) vertical elements to tailor coverage zone by zone across arrays of up to 20 cabinets. VenuePolar™ for EASE® Focus 3 automates the entire design—cabinet count, splay, PAO settings, and rigging safety—then transfers it in one click. All IV6 models are Manufactured in the USA.

- PAO — 55 attenuation profiles per cabinet; single amp channel drives 5-6 elements in parallel.
- Scalable coverage — combine IV6-1122/05 (5° vertical) and IV6-1122/15 (15° vertical) elements in a single array.
- VenuePolar™ for EASE® Focus 3 — fully automated design and one-click transfer to modeling software
- PolyGlas™ outdoor versions — IP55W, MIL-STD-810G, marine-grade aluminum grilles and stainless hardware.
- IV6-118S subwoofer — ground-stack or fly behind the main array.



Even response front to back (modeled in EASE® Focus 3)

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





Gore Arena, Campbell University  
Buies Creek, North Carolina

## I SERIES SUBWOOFERS

High-performance subwoofers completing the I Series ecosystem for large-format applications—from performing arts centers to open-air stadiums.

- IS6 (600-series): Medium-power ferrite driver subwoofers for performing arts centers, auditoriums, and mid-size venues.
- IS8 (800-series): High-power neodymium driver subwoofers with copper shorting rings, resulting in significantly lower distortion for the highest-performance applications.
- 12-, 15-, and 18-inch single and dual configurations scale to any room size.
- PolyGlas™ outdoor versions available for permanently installed outdoor venues.



Melrose Center for the Performing Arts Center  
Melrose, Massachusetts



PERFORMANCE & SPECIALTY: I SERIES SUBWOOFERS | 600 & 800

|                                  | <br>IS6-112 | <br>IS6-115 | <br>IS6-118 | <br>IS6-212 | <br>IS6-215 | <br>IS6-218 | <br>IS8-112 | <br>IS8-115 | <br>IS8-118 | <br>IS8-212 | <br>IS8-215 | <br>IS8-218 |
|----------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Loudspeaker Type                 | 12-inch medium power subwoofer                                                               | 15-inch medium power subwoofer                                                               | 18-inch medium power subwoofer                                                               | Dual 12-inch medium power subwoofer                                                           | Dual 15-inch medium power subwoofer                                                            | Dual 18-inch medium power subwoofer                                                            | 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                                                              |
| Drivers                          | LF 1 x 12"                                                                                   | LF 1 x 15"                                                                                   | LF 1 x 18"                                                                                   | LF 2 x 12"                                                                                    | LF 2 x 15"                                                                                     | LF 2 x 18"                                                                                     | LF 1 x 12"                                                                                     | LF 1 x 15"                                                                                     | LF 1 x 18"                                                                                     | LF 2 x 12"                                                                                     | LF 2 x 15"                                                                                     | LF 2 x 18"                                                                                     |
| Operating Range                  | 39 Hz - 150 Hz                                                                               | 37 Hz - 140 Hz                                                                               | 32 Hz - 145 Hz                                                                               | 38 Hz - 150 Hz                                                                                | 37 Hz - 145 Hz                                                                                 | 32 Hz - 145 Hz                                                                                 | 38 Hz - 148 Hz                                                                                 | 36 Hz - 155 Hz                                                                                 | 31 Hz - 145 Hz                                                                                 | 38 Hz - 140 Hz                                                                                 | 36 Hz - 140 Hz                                                                                 | 31 Hz - 150 Hz                                                                                 |
| Sensitivity (1W/1m) - half space | 100 dB                                                                                       | 102 dB                                                                                       | 104 dB                                                                                       | 103 dB                                                                                        | 105 dB                                                                                         | 107 dB                                                                                         | 95 dB                                                                                          | 99 dB                                                                                          | 99 dB                                                                                          | 98 dB                                                                                          | 102 dB                                                                                         | 102 dB                                                                                         |
| Power Rating (single amp)        | 700W Cont.<br>2800W Peak                                                                     | 700W Cont.<br>2800W Peak                                                                     | 700W Cont.<br>2800W Peak                                                                     | 1400W Cont.<br>5600W Peak                                                                     | 1400W Cont.<br>5600W Peak                                                                      | 1400W Cont.<br>5600W Peak                                                                      | 1000W Cont.<br>4000W Peak                                                                      | 1000W Cont.<br>4000W Peak                                                                      | 1600W Cont.<br>6400W Peak                                                                      | 2000W Cont.<br>8000W Peak                                                                      | 2000W Cont.<br>8000W Peak                                                                      | 3200W Cont.<br>12800W Peak                                                                     |
| Max Output @1m (half space)      | 128 dB<br>134 dB Peak                                                                        | 130 dB<br>136 dB Peak                                                                        | 132 dB<br>138 dB Peak                                                                        | 134 dB<br>140 dB Peak                                                                         | 136 dB<br>142 dB Peak                                                                          | 138 dB<br>144 dB Peak                                                                          | 125 dB<br>131 dB Peak                                                                          | 129 dB<br>135 dB Peak                                                                          | 131 dB<br>137 dB Peak                                                                          | 131 dB<br>137 dB Peak                                                                          | 135 dB<br>141 dB Peak                                                                          | 137 dB<br>143 dB Peak                                                                          |
| Nominal Impedance (single amp)   | 8Ω                                                                                           | 8Ω                                                                                           | 8Ω                                                                                           | 4Ω                                                                                            | 4Ω                                                                                             | 4Ω                                                                                             | 8Ω                                                                                             | 8Ω                                                                                             | 8Ω                                                                                             | 4Ω                                                                                             | 4Ω                                                                                             | 4Ω                                                                                             |
| Dispersion                       | Omnidirectional                                                                              | Omnidirectional                                                                              | Omnidirectional                                                                              | Omnidirectional                                                                               | Omnidirectional                                                                                | Omnidirectional                                                                                | Omnidirectional                                                                                | Omnidirectional                                                                                | Omnidirectional                                                                                | Omnidirectional                                                                                | Omnidirectional                                                                                | Omnidirectional                                                                                |
| Environmental                    | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                 | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                  | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                  | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                  | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                  | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                  | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                  | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                  | Outdoor PolyGlas Models:<br>IP55W per IEC 60529, MIL-STD-810G                                  |
| RAL Color                        | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (Outdoor)                                  | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (Outdoor)                                  | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (Outdoor)                                  | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (Outdoor)                                   | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (Outdoor)                                    | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (Outdoor)                                    | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (Outdoor)                                    | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (Outdoor)                                    | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (Outdoor)                                    | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (Outdoor)                                    | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (Outdoor)                                    | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (Outdoor)                                    |
| Dimensions H x W x D             | 14.3" x 14.5" x 21.0" (363 x 368 x 533 mm)                                                   | 19.8" x 16.5" x 23.4" (503 x 419 x 593 mm)                                                   | 19.8" x 22.1" x 29.9" (503 x 561 x 734 mm)                                                   | 28.0" x 14.5" x 21.0" (711 x 368 x 533 mm)                                                    | 39.0" x 16.5" x 23.4" (991 x 419 x 593 mm)                                                     | 39.0" x 22.1" x 28.9" (991 x 561 x 734 mm)                                                     | 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)                                                       |
| Weight                           | 64 lbs (29 kg)                                                                               | 78 lbs (35.4 kg)                                                                             | 97 lbs (44 kg)                                                                               | 101 lbs (45.8 kg)                                                                             | 126 lbs (57.2 kg)                                                                              | 170 lbs (77.1 kg)                                                                              | 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

The LVH-900 is the only horn-loaded point-source loudspeaker that steers its vertical beam asymmetrically — covering the back row while sparing the reflective ceiling and rear wall, from a single cabinet or a multi-cabinet array. Where a conventional line array needs 6 -10 boxes and 18 -20 feet of ceiling clearance to achieve comparable pattern control, one LVH-906 delivers control below 400 Hz from a single 36" horn — at less than 25% of the total system cost

- The more powerful VenuePolar plugin for EASE Focus 3 unlocks the full capabilities of steerable acoustics for every consultant and integrator. For the first time, custom room fitted coverage can be designed through software—no specialist required.
- 6 ms fixed latency makes the LVH-900 ideal for live performance venues and broadcast applications where lip-sync timing and consistency are critical.
- Ideal for houses of worship, performing arts centers, multipurpose venues, auditoriums, arena, and stadiums requiring coverage uniformity and speech intelligibility.
- Architecturally acceptable where line arrays are not — one or two cabinets replace 7-15 feet of suspended visual mass, eliminating sight-line interference, structural concerns, and the aesthetic objections that increasingly disqualify line arrays from performing arts centers and houses of worship.
- Asymmetric patterns match real venues; symmetric point sources do not. While standard point-source loudspeakers waste equal energy above and below their aim point, the LVH-900 independently steers its upper and lower vertical boundaries to place energy where listeners sit and nulls where they don't.
- Pattern control to 400 Hz (single cabinet) / below 200 Hz (dual-cabinet array) via a single 36-inch × 31-inch unified waveguide — matching low-frequency directivity that requires 9-10 line array boxes to achieve.
- Software-reconfigurable patterns via Armonia+ presets — switch between concert, speech, and multi-zone configurations without touching the rigging.
- EN54-24 compliant for life-safety system integration.
- PolyGlas™ outdoor versions are rated IP56 per IEC 60529. with the same drivers and waveguide in a fiberglass-reinforced composite enclosure for permanent outdoor installations.



River Valley Church  
Grants Pass, Oregon

L SERIES BEAMFORMING VENUE HORN

|                                               | <div></div> <div>LVH-906</div>                     |                                                                      | <div></div> <div>LVH-909</div>                     |                                                                      |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
|                                               | SINGLE CABINET                                                                                                                                                                                                           | DUAL CABINET                                                         | SINGLE CABINET                                                                                                                                                                                                           | DUAL CABINET                                                         |
| Loudspeaker Type                              | Steerable Venue Horn                                                                                                                                                                                                     |                                                                      | Steerable Venue Horn                                                                                                                                                                                                     |                                                                      |
| Drivers                                       | LF 4 x 12"<br>MF 3 x 2"<br>HF 4 x 1.5" voice coil                                                                                                                                                                        |                                                                      | LF 4 x 12"<br>MF 3 x 2"<br>HF 4 x 1.5" voice coil                                                                                                                                                                        |                                                                      |
| Operating Range (-10 dB)                      | 50 Hz - 20 kHz                                                                                                                                                                                                           | 48 Hz - 20 kHz                                                       | 50 Hz - 20 kHz                                                                                                                                                                                                           | 48 Hz - 20 kHz                                                       |
| Power Handling                                | LF (per pair) 950 W, 8 Ω<br>MF (each) 65 W, 10 Ω<br>HF (each) 33 W, 16 Ω                                                                                                                                                 |                                                                      | LF (per pair) 950 W, 8 Ω<br>MF (each) 65 W, 10 Ω<br>HF (each) 33 W, 16 Ω                                                                                                                                                 |                                                                      |
| Max Output @ 1 m                              | Nominal Max Up to 136 dB continuous; 142 dB peak (pattern dependent)                                                                                                                                                     | Nominal Max Up to 140 dB continuous; 146 dB peak (pattern dependent) | Nominal Max Up to 134 dB continuous; 140 dB peak (pattern dependent)                                                                                                                                                     | Nominal Max Up to 139 dB continuous; 145 dB peak (pattern dependent) |
| Horizontal Coverage                           | 60°                                                                                                                                                                                                                      |                                                                      | 90°                                                                                                                                                                                                                      |                                                                      |
| Vertical Coverage                             | Coverage pattern custom shaped to fit audience geometry via VenuePolar.                                                                                                                                                  |                                                                      | Coverage pattern custom shaped to fit audience geometry via VenuePolar.                                                                                                                                                  |                                                                      |
| Environmental                                 | Outdoor PolyGlas Models: IP56 per IEC 60529, IEC 60068-2-1 (Cold), IEC 60068-2-2 (Dry Heat), IEC 60068-2-6 (Vibration), IEC 60068-2-30 (Damp Heat, cyclic), IEC 60068-2-42 S02, 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 S02, IEC 60068-2-78 (Damp Heat, steady state) |                                                                      |
| RAL Color                                     | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (outdoor)                                                                                                                                                              |                                                                      | Black RAL 9005<br>White RAL 9003<br>Grey RAL 7038 (outdoor)                                                                                                                                                              |                                                                      |
| Dimensions H x W x D (Single LVH-900 Cabinet) | 37.3" x 31.4" x 30.5" (948 x 797 x 775 mm)                                                                                                                                                                               |                                                                      | 37.3" x 31.4" x 30.5" (948 x 797 x 775 mm)                                                                                                                                                                               |                                                                      |
| Weight (Single LVH-900 Cabinet)               | Weight Indoor: 113.4 kg (250 lbs) per cabinet<br>Outdoor: 95.3 kg (210 lbs) per cabinet                                                                                                                                  |                                                                      | Weight Indoor: 113.4 kg (250 lbs) per cabinet<br>Outdoor: 95.3 kg (210 lbs) per cabinet                                                                                                                                  |                                                                      |

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

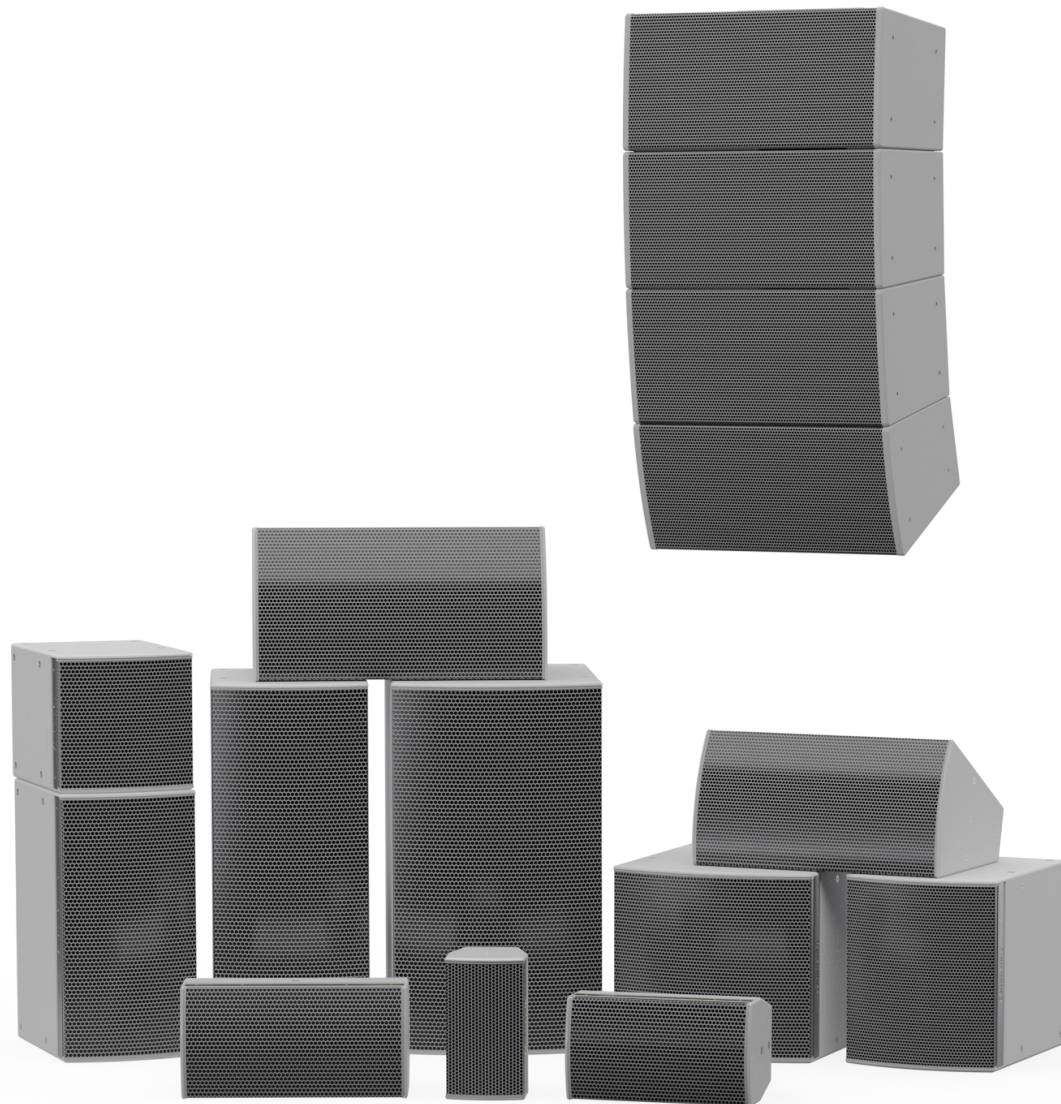


## POLYGLAS™ TECHNOLOGY

PolyGlas™ is proprietary Biamp fiberglass-reinforced composite enclosure material for I Series and L Series outdoor models—delivering identical acoustic performance to indoor equivalents while outlasting any wood-based alternative in permanent outdoor installations.

Why PolyGlas Outperforms Fiberglass-Covered Plywood:

- **Non-absorbent** — will not absorb moisture, preventing the warping, delamination, and rot that eventually affect all outdoor plywood cabinets.
- **Thermally stable** — maintains precise dimensions across extreme temperature ranges, preventing grille and cabinet distortion in freeze-thaw cycles.
- **High-impact resistance** — survives physical abuse during installation and from weather events that would crack or split plywood.
- **Equal acoustic performance to wood** — same internal volume and bracing translate to identical sound quality—no sacrificing acoustic performance while gaining complete weather resistance.
- **Lighter than fiberglass-covered plywood** — reduces installation labor cost and allows larger arrays to be safely installed at height.
- **Built-to-order in the USA with standard delivery times** — unlike many competitors who require extended lead times for custom outdoor specifications.



Seaport  
Wildwood, New Jersey



VENUEPOLAR: THE SOFTWARE BEHIND A BETTER-SOUNDING ROOM

VenuePolar™ is a custom plugin for EASE® Focus 3 that turns acoustic design into a guided, self-service process for the IV6 Modular Vertical Array and the LVH-900 Steerable Venue Horn. Tell it what the room needs, and it calculates the array, angles, and configuration to get there — cutting hours of manual modeling down to minutes.

VENUEPOLAR FOR LVH-900

Shape the coverage to match the room — not the other way around.

LVH-900 is Biamp's Steerable Venue Horn: one box, or an array of them, that electronically reshapes its own coverage pattern. VenuePolar is how you drive that shape — no fixed presets, no specialist required.

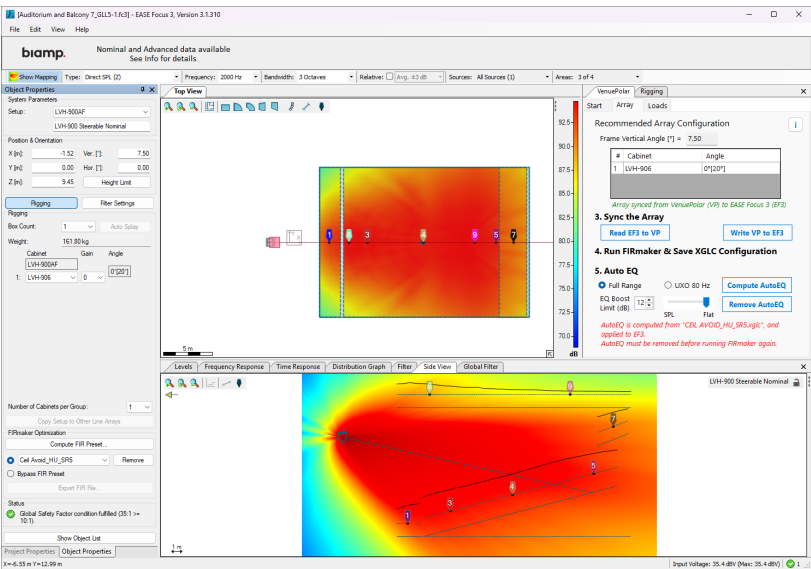
- **One box, every seat.** FIRmaker can generate multiple coverage beams from a single LVH-900 or array — covering the main floor and the balcony at once, instead of stacking separate speakers for each zone.
- **Steer around problems, automatically.** Mark stages, glass, ceilings, or reflective walls as hard-avoid zones, and FIRmaker keeps sound off them — no re-rigging, no fighting reflections.
- **Concept to deployable files in minutes.** Go from acoustic goals to ALC-loaded speaker files without leaving VenuePolar — Start Tab, FIRmaker, AutoEQ, and Armonia+® export in one continuous workflow.
- **Live-ready.** VenuePolar holds every steered array to a consistent 6 ms of latency — fast enough for live monitoring and lip-synced video, not just background reinforcement.



LVH-900 Steerable Venue Horn

HOW IT WORKS

1. **Configure Wiring** — Choose 6-channel or 9-channel amp configuration to match the steering resolution the job needs
2. **Start Tab** — Define your target audience areas and coverage goals
3. **Array Tab** — Calculate the recommended array and sync it directly to EASE Focus 3
4. **FIRmaker** — Shape a fully custom, asymmetric vertical pattern, steering around balconies, glass, or off-limits zones with null steering; save as an XGLC file
5. **AutoEQ** — Automatically linearize the array's frequency response across the entire coverage area, not just on-axis
6. **Loads Tab** — Calculate rigging, cable, and fastener forces for the array
7. **Create ALC Profiles** — Export ready-to-load Armonia+® files, then generate a report documenting the venue, arrays, and performance



VenuePolar coverage mapping inside EASE Focus 3

VENUEPOLAR FOR IV6

The right array, calculated — not guessed.

IV6 is Community's modular vertical line array, built to cover deep, demanding rooms with a scalable cabinet count. VenuePolar removes the manual trial-and-error: enter your goals, and it calculates the array, checks that it's safe to hang, and builds the paperwork to order it.

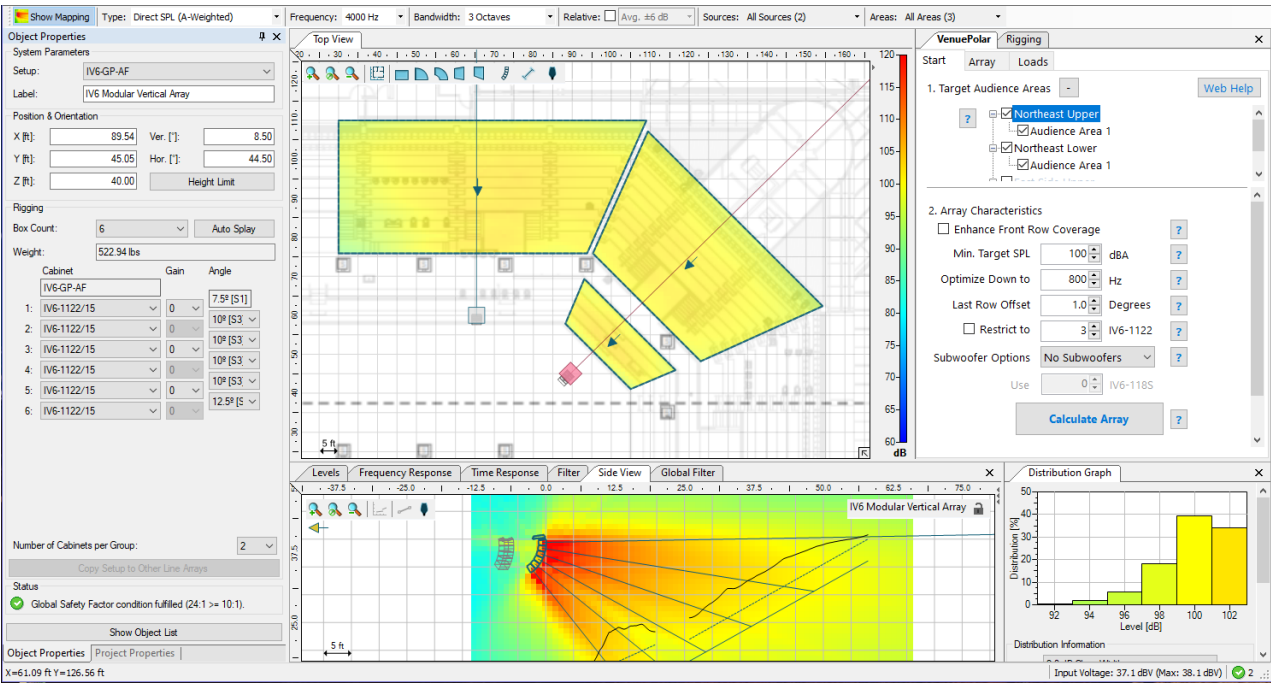
- **No more manual math.** Enter your target coverage and VenuePolar calculates the exact cabinet count, frame angle, and splay needed for uniform coverage — automatically.
- **Confidence before you hang it.** The Loads tab flags any array configuration that exceeds safe rigging limits, so problems surface on screen, not on-site.
- **Ordering, solved.** Every array generates its own bill of materials — cabinets, splay brackets, and accessories — so quoting takes minutes, not a parts list built by hand.
- **Built to scale.** Supports arrays up to 23 cabinets with pull-back bar, plus ground-stacked subwoofers, with no extra manual calculation as the system grows.



IV6 Modular Vertical Array

HOW IT WORKS

1. **Start Tab** — Define your target system performance
2. **Array Tab** — Calculate the recommended array configuration and Passive Acoustic Optimization settings, then sync it directly to EASE Focus 3
3. **Loads Tab** — Flag when an array configuration exceeds safe rigging limits
4. **Create a Report** — Generate a bill of materials summarizing loudspeakers, splay brackets, and accessories for every array, simplifying ordering



VenuePolar coverage mapping inside EASE Focus 3

EASE® and AFMG® are registered trademarks of AFMG Technologies GmbH.



# BUSINESS AUDIO

Elegant loudspeakers engineered for high speech intelligibility and full music reproduction

The Desono™ family delivers premium business audio for corporate offices, conference rooms, hotels, restaurants, and commercial spaces. Designed with architectural aesthetics in mind, Desono speakers blend into any environment while delivering exceptional speech intelligibility and music reproduction. All Desono families share a common acoustic voicing—ceiling, wall, pendant, and column speakers sound consistent throughout a space. Desono is engineered for intelligibility, installation simplicity, and system cohesion in business environments.

- 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





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. A great ceiling loudspeaker should be heard and not seen. Designed to disappear into any ceiling or drywall surface, Desono ceiling loudspeakers deliver sound quality that commands attention — covering the full range of business audio needs, from simple background music applications to demanding speech-reinforcement environments.

CM Series

Dependable, professional ceiling speakers for standard commercial applications.

- Thin-edged profile with magnetic grille attaches cleanly to any ceiling surface
- Tuned bass reflex port extends low-frequency response for fuller sound from a compact enclosure
- Built-in overload protection for 24/7 failsafe operation in continuous-play systems



C Series

Conferencing-optimized ceiling speakers with ultra-slim mounting depth and native integration with the Tesira™ AMP-450BP PoE+ amplifier.

- As little as 4 inches (102 mm) total depth—installs in shallow plenum spaces that exclude standard ceiling speakers
- Supports standard category (Cat5e/6) cable connections, simplifying modern structured-wiring installations
- Direct Tesira™ AMP-450BP integration delivers a complete conferencing audio solution from a single manufacturer
- TAA-compliant models available for US government and education procurement



DX-IC Series

The DX-IC Series is our flagship ceiling speaker line for business audio, incorporating multiple patented acoustic technologies that place it in a class above competing commercial ceiling speakers. The DX-IC is the right choice when clarity, consistency, and long-term performance are non-negotiable—whether in a boardroom, a luxury hotel, a university, or a busy retail environment.

- Patented Carbon Ring Cone Technology™ increases the effective radiating area of the woofer cone, dramatically reducing distortion and improving long-term driver durability—a technology unique to Biamp not found in any competing ceiling speaker
- Proprietary Tru-Phase™ high-frequency waveguide maintains consistent, wide conical dispersion all the way to 16 kHz—ensuring even, natural-sounding coverage in every seat, not just directly below the speaker
- True coaxial HF compression driver design minimizes distortion and maximizes efficiency. DX-IC models produce 3-6 dB greater output from half the amplifier power compared to conventional ceiling speaker designs
- Edgeless magnetic grille design provides a sleek, modern aesthetic that competing ceiling speakers' traditional rimmed designs simply cannot match
- Reinforced SpringLock mounting clamps with coarse-threaded screws allow fast, secure installation across a wide range of ceiling thicknesses, reducing installation time significantly
- TAA-compliant model available





BUSINESS AUDIO: CEILING MOUNT

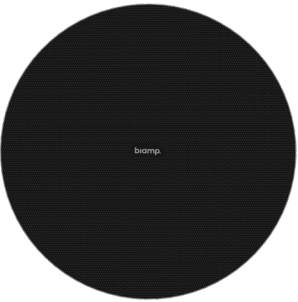
|                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                    |
|---------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------|
| Loudspeaker Type                      | Two-way 4.25-inch ceiling loudspeaker                                             | Two-way 4.25-inch ceiling loudspeaker                                             | Two-way 6.5-inch ceiling loudspeaker                                              | Two-way 6.5-inch ceiling loudspeaker                                               | Two-way 6.5-inch low-profile ceiling loudspeaker                                    | Two-way 6.5-inch low-profile ceiling loudspeaker                                    | Two-way 4.5-inch ceiling loudspeaker (low profile)                                  | Two-way 4.5-inch ceiling loudspeaker                                                | Two-way 6.5-inch ceiling loudspeaker                                                | Two-way 6.5-inch high efficiency low-profile ceiling loudspeaker                    | Two-way 6.5-inch high efficiency low-profile ceiling loudspeaker                    | Two-way 6.5-inch ceiling loudspeaker                                                | Two-way 8-inch ceiling loudspeaker                                                  | Two-way 10-inch ceiling loudspeaker                                                 | 10-inch ceiling subwoofer                                                           |                                                    |
| Drivers                               | LF 1 x 4.25" HF 1 x 1"                                                            | LF 1 x 4.25" HF 1 x 1"                                                            | LF 1 x 6.5" HF 1 x 1"                                                             | LF 1 x 6.5" HF 1 x 1"                                                              | LF 1 x 6.5" HF 1 x 1"                                                               | LF 1 x 6.5" HF 1 x 1"                                                               | LF 1 x 4.5" HF 1 x 0.75"                                                            | LF 1 x 4.5" HF 1 x 0.75"                                                            | LF 1 x 6.5" HF 1 x 1"                                                               | LF 1 x 6.5" HF 1 x 1"                                                               | LF 1 x 6.5" HF 1 x 1"                                                               | LF 1 x 6.5" HF 1 x 1"                                                               | LF 1 x 8" HF 1 x 1.25"                                                              | LF 1 x 10" HF 1 x 1.25"                                                             | LF 1 x 10"                                                                          |                                                    |
| Operating Range                       | 90 Hz - 22 kHz                                                                    | 85 Hz - 22 kHz                                                                    | 75 Hz - 22 kHz                                                                    | 60 Hz - 20 kHz                                                                     | 63 Hz to 20 kHz                                                                     | 63 Hz to 20 kHz                                                                     | 115 Hz - 20 kHz                                                                     | 85 Hz - 19 kHz                                                                      | 90 Hz - 20 kHz                                                                      | 63 Hz to 20 kHz                                                                     | 63 Hz to 20 kHz                                                                     | 90 Hz - 20 kHz                                                                      | 75 Hz - 20 kHz                                                                      | 65 Hz - 20 kHz                                                                      | 39 Hz - 200 Hz                                                                      |                                                    |
| Sensitivity (1W/1m)                   | 87 dB                                                                             | 87 dB                                                                             | 86 dB                                                                             | 87 dB                                                                              | 87 dB                                                                               | 87 dB                                                                               | 91 dB                                                                               | 92 dB                                                                               | 94 dB                                                                               | 87 dB                                                                               | 87 dB                                                                               | 94 dB                                                                               | 93 dB                                                                               | 96 dB                                                                               | 88 dB                                                                               |                                                    |
| Power Rating                          | 40W Cont. 160W Peak                                                               | 50W Cont. 200W Peak                                                               | 60W Cont. 240W Peak                                                               | 60W Cont. 240W Peak                                                                | 60W Cont. 240W Peak                                                                 | 60W Cont. 240W Peak                                                                 | 60W Cont. 240W Peak                                                                 | 60W Cont. 240W Peak                                                                 | 120W Cont. 480W Peak                                                                | 60W Cont. 240W Peak                                                                 | 60W Cont. 240W Peak                                                                 | 120W Cont. 480W Peak                                                                | 175W Cont. 700W Peak                                                                | 240W Cont. 960W Peak                                                                | 200W Cont. 800W Peak                                                                |                                                    |
| Max Output @1m                        | 103 dB 109 dB Peak                                                                | 104 dB 110 dB Peak                                                                | 104 dB 110 dB Peak                                                                | 105 dB                                                                             | 103 db 115 db peak                                                                  | 103 db 115 db peak                                                                  | 108 dB 118 dB Peak                                                                  | 108 dB 118 dB Peak                                                                  | 114 dB 124 dB Peak                                                                  | 103 db 115 db peak                                                                  | 103 db 115 db peak                                                                  | 114 dB 124 dB Peak                                                                  | 116 dB 126 dB Peak                                                                  | 119 dB 131 dB Peak                                                                  | 111 dB 123 dB Peak                                                                  |                                                    |
| Nominal Impedance                     | 16Ω                                                                               | 16Ω                                                                               | 16Ω                                                                               | 8Ω                                                                                 | 8Ω                                                                                  | 8Ω                                                                                  | 8Ω                                                                                  | 8Ω                                                                                  | 6.5Ω                                                                                | 8Ω                                                                                  | 8Ω                                                                                  | 8Ω                                                                                  | 7Ω                                                                                  | 6.5Ω                                                                                | 8Ω                                                                                  |                                                    |
| Dispersion                            | 150° H x 100° V                                                                   | 120° conical                                                                      | 150° conical                                                                      | 130° conical                                                                       | 145° conical                                                                        | 145° conical                                                                        | 165° conical                                                                        | 165° conical                                                                        | 140° conical                                                                        | 145° conical                                                                        | 145° conical                                                                        | 140° conical                                                                        | 115° conical                                                                        | 115° conical                                                                        | omnidirectional                                                                     |                                                    |
| Transformer Taps                      | 70V: 20W, 10W, 5W, 2.5W, 1.25W<br>100V: 20W, 10W, 5W, 2.5W                        | 70V: 30W, 15W, 7.5W, 3.75W, 1.75W<br>100V: 30W, 15W, 7.5W, 3.75W                  | 70V: 60W, 30W, 15W, 7.5W, 3.75W<br>100V: 60W, 30W, 15W, 7.5W                      | n/a                                                                                | na                                                                                  | na                                                                                  | 70V: 30W, 15W, 7.5W, 3.75W<br>100V: 30W, 15W, 7.5W                                  | 70V: 30W, 15W, 7.5W, 3.75W<br>100V: 30W, 15W, 7.5W                                  | 70V: 60W, 30W, 15W, 7.5W<br>100V: 60W, 30W, 15W                                     | 70V: 60W, 30W, 15W, 7.5W<br>100V: 60W, 30W, 15W                                     | 70V: 60W, 30W, 15W, 7.5W<br>100V: 60W, 30W, 15W                                     | 70V: 60W, 30W, 15W, 7.5W<br>100V: 60W, 30W, 15W                                     | 70V: 60W, 30W, 15W, 7.5W<br>100V: 60W, 30W, 15W                                     | 70V: 120W, 60W, 30W, 15W<br>100V: 120W, 60W, 30W                                    | 70V: 200W, 100W, 50W, 25W<br>100V: 200W, 100W, 50W                                  | 70V: 200W, 100W, 50W, 25W<br>100V: 200W, 100W, 50W |
| Environmental                         | Indoor                                                                            | Indoor                                                                            | Indoor                                                                            | Indoor                                                                             | Indoor                                                                              | Indoor                                                                              | Indoor                                                                              | Indoor                                                                              | Indoor                                                                              | Indoor                                                                              | Indoor                                                                              | Indoor                                                                              | Indoor                                                                              | Indoor                                                                              | Indoor                                                                              |                                                    |
| RAL Color                             | White RAL 9010                                                                    | White RAL 9010                                                                    | White RAL 9010                                                                    | Black RAL 9017<br>Red RAL 3028<br>White RAL 9016                                   | Black RAL 9017<br>White RAL 9016                                                    | Black RAL 9017<br>White RAL 9016                                                    | White RAL 9016                                                                      | White RAL 9016                                                                      | White RAL 9016                                                                      | White RAL 9016                                                                      | White RAL 9016                                                                      | Black RAL 9017                                                                      | White RAL 9016                                                                      | White RAL 9016                                                                      | White RAL 9016                                                                      |                                                    |
| Dimensions - Bezel Dia. x Total Depth | 8.8" x 3.3" (223 x 84 mm)                                                         | 8.8"x 5.2" (223 x 131 mm)                                                         | 10.2" x 6.2" (258 x 157 mm)                                                       | 10.9" x 5.9" (291 x 171 mm)                                                        | 13.41" x 3.96" (341 mm x 101 mm)                                                    | 13.41" x 3.96" (341 mm x 101 mm)                                                    | 10.16" x 3.81" (258 x 97 mm)                                                        | 10.16" x 6.95" (258 x 176 mm)                                                       | 11.46" x 6.75" (291 x 171 mm)                                                       | 13.41" x 3.91" (341 mm x 99 mm)                                                     | 13.41" x 3.91" (341 mm x 99 mm)                                                     | 11.46" x 6.75" (291 x 171 mm)                                                       | 13.43" x 8.51" (341 x 216 mm)                                                       | 15.51" x 10.37" (394 x 263 mm)                                                      | 15.51" x 10.37" (394 x 263 mm)                                                      |                                                    |
| Cutout Diameter                       | 7.6" (193 mm)                                                                     | 7.6" (193 mm)                                                                     | 9.1" (232 mm)                                                                     | 9.75" (248 mm)                                                                     | 12.20" (310 mm)                                                                     | 12.20" (310 mm)                                                                     | 8.74" (222 mm)                                                                      | 8.74" (222 mm)                                                                      | 10.25" (260 mm)                                                                     | 12.20" (310 mm)                                                                     | 12.20" (310 mm)                                                                     | 10.25" (260 mm)                                                                     | 12.20" (310 mm)                                                                     | 14.17" (360 mm)                                                                     | 14.17" (360 mm)                                                                     |                                                    |
| Weight                                | 4.4 lbs (2.0 kg)                                                                  | 5.5 lbs (2.5 kg)                                                                  | 8.8 lbs (4.0 kg)                                                                  | 7.8 lbs (3.5 kg)                                                                   | 9.1 lbs (4.12 kg)                                                                   | 9.1 lbs (4.12 kg)                                                                   | 5.8 lbs (2.66 kg)                                                                   | 6.9 lbs (3.12 kg)                                                                   | 8.0 lbs (3.63 kg)                                                                   | 10.8 lbs (4.9 kg)                                                                   | 10.8 lbs (4.9 kg)                                                                   | 8.0 lbs (3.63 kg)                                                                   | 15.6 lbs (7.08 kg)                                                                  | 23.66 lb (10.73 kg)                                                                 | 22.1 lbs (10.0 kg)                                                                  |                                                    |
| Compliance                            | UL1480A, UL2043, CSA C22.2#62368-1                                                | UL1480A, UL2043, CSA C22.2#62368-1                                                | UL1480A, UL2043, CSA C22.2#62368-1                                                | UL1480A, UL2043, CSA 22.2#62368-1, NFPA70, NFPA90                                  | UL1480, UL2043, CSA62368-1, NFPA70, NFPA90                                          | TAA, UL1480, UL2043, CSA62368-1, NFPA70, NFPA90                                     | UL1480, UL2043, CSA62368-1, NFPA70, NFPA90                                          | UL1480, UL2043, CSA62368-1, NFPA70, NFPA90                                          | UL1480, UL2043, CSA62368-1, NFPA70, NFPA90                                          | UL1480, UL2043, CSA62368-1, NFPA70, NFPA90                                          | UL1480, UL2043, CSA62368-1, NFPA70, NFPA90                                          | TAA, UL1480, UL2043, CSA62368-1, NFPA70, NFPA90                                     | UL1480, UL2043, CSA62368-1, NFPA70, NFPA90                                          | UL1480, UL2043, CSA62368-1, NFPA70, NFPA90                                          | UL1480, UL2043, CSA62368-1, NFPA70, NFPA90                                          |                                                    |



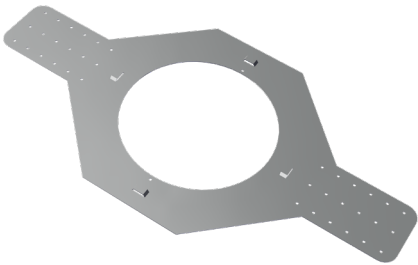
DESONO CEILING LOUDSPEAKER ACCESSORIES

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.



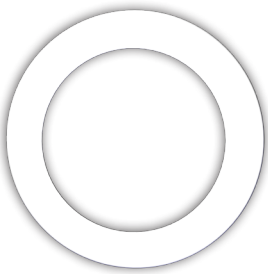
Black Grilles



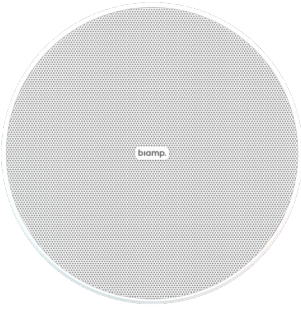
New Construction Brackets



48" Tile Rails



Trim Rings



High Humidity Grilles



Athens Marriott Hotel  
Athens, Greece

BUSINESS AUDIO: DESONO CEILING SPEAKER ACCESSORIES

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



PENDANTS

Pendant loudspeakers solve the high-ceiling coverage problem. By hanging closer to listening level, they deliver even coverage at lower volume levels, reducing listener fatigue. Desono pendants add award-winning design to this practical acoustic advantage, making them a natural choice for architecturally significant spaces where sound equipment usually looks out of place.

P30DT & P60DT

The P30DT and P60DT are the go-to specification for designers who need an elegant pendant speaker that is also genuinely easy to install. Their unique end-cap design conceals all cable management and electrical connections behind a clean exterior finish.

- 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
- Identical voicing as CM30DTD and CM60DTD ceiling-mount loudspeakers
- Loudspeaker overload protection for 24/7 failsafe operation



P6 & P6-SM

The P6 and P6-SM are versatile outdoor-capable pendant speakers for covered patios, concourses, and pool decks—spaces where a traditional ceiling speaker cannot be installed and a full weatherproof speaker is unnecessary.

- 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

Premium designer pendant speakers that share the same world-class acoustic components as the DX-IC Series ceiling speakers. A space fitted with both ceiling and pendant speakers produces a perfectly cohesive sound from every speaker in the system. Their contemporary form is designed to be seen as an architectural element, not hidden.

- Stylish, contoured contemporary design created to complement modern interiors—not just blend into the background
- Same components and acoustic voicing as DX Series in-ceiling and surface mount speakers ensures a sonically seamless system throughout a space, regardless of which Desono DX form factor is installed
- Patented Carbon Ring Cone Technology™ for reduced distortion, like all DX Series models
- Proprietary Tru-Phase™ high-frequency waveguide provides consistent, wide dispersion up to 16 kHz
- True coaxial drivers with HF compression deliver the highest possible intelligibility and output in a pendant form factor
- High-efficiency, high-output, high-intelligibility, low-distortion design suits demanding applications in hotels, restaurants, retail, and corporate spaces





BUSINESS AUDIO: PENDANTS

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

SURFACE MOUNT

Desono surface mount loudspeakers cover every installation scenario where ceiling mounting isn't possible and audio quality can't be compromised — from exposed outdoor terraces to architecturally sensitive interiors where a loudspeaker's appearance is as important as its sound. Four distinct series — KUBO, MASK, EX-S, and DX-S — span the full range from premium foreground-music performance to compact minimalist designs that virtually disappear into a space, with options for every application, budget, and aesthetic requirement. All support 70V / 100V distributed audio and low-impedance operation.

KUBO Series

KUBO is the designer's surface mount speaker: a premium business audio solution that is as comfortable in a boutique hotel as it is in a corporate boardroom. Its minimal, architectural form factor makes it genuinely invisible in high-end interiors.

- 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 outdoor surface mount speakers with the Biamp ClickMount™ bracket system—the most affordable and installer-friendly outdoor commercial speaker in its class.

- IP64-rated: sealed against dust, protected against water splash from any direction
- ClickMount bracket allows all wiring to be completed before the speaker is attached, reducing installation time by 35% compared to traditional methods
- Integrated spirit level for fast, tool-free positioning
- Built-in overload protection for continuous-play systems



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





DX Series

The DX Series delivers high-sensitivity coaxial performance for large distributed audio systems where efficiency and coverage consistency matter most. At 95 dB sensitivity, the DX-S8 produces significantly more output per amplifier watts than the EX-S8 — the smarter specification for 70V / 100V systems covering large areas across many zones. Uniquely, DX surface mount models are voice-matched to the full DX ceiling speaker family, ensuring consistent timbre when mixing surface and ceiling speakers throughout a facility. Available in 5" and 8" models. IP54-rated for outdoor direct outdoor exposure applications.

- 95 dB sensitivity (DX-S8) — 5 dB more efficient than the comparable EX-S8, delivering significantly more coverage per amplifier watt in large distributed 70V/100V systems
- Voice-matched to the DX ceiling speaker family — guarantees consistent timbre when combining surface and ceiling speakers in the same facility; the only surface mount line that offers this
- High transformer tap ratings — up to 120W (70V/100V) on the DX-S8 supports high-output distributed zones from a single amplifier channel
- IP54-rated with marine-grade aluminum grilles for permanent indoor or outdoor installation
- ClickMount™ bracket system — same indexed pan-tilt and U-bracket system as EX, with updated weather-sealed design
- Ideal for corporate campuses, retail, airports, convention centers, sports facilities, schools, and any large mixed-use installation requiring consistent, efficient coverage across ceiling and surface mount zones



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



EX Series

The EX Series is our premium surface mount line, engineered for venues where music quality drives the experience. True coaxial driver design delivers phase-coherent, point-source coverage, while wide bandwidth provides the low-end depth and high-frequency air that foreground music demands. Available in 6.5", 8", and 10" full-range models plus a dedicated 10" subwoofer. IP54-rated enclosures with marine-grade aluminum grilles and hydrophobic cloth backing handle direct outdoor exposure without compromise. EN54-24 certified for voice alarm and emergency evacuation applications.

- True coaxial design — HF and LF drivers share a single acoustic axis for point-source coverage uniformity and phase-coherent sound at every seat
- Wide bandwidth — 55 Hz-20 kHz (8" and 10" models) delivers the low-end depth and high-frequency air that foreground music demands
- EX-S10SUB companion subwoofer — pairs with any EX-S or DX-S satellites for full-range music playback in high-output entertainment environments
- EN54-24 certified — qualifies for voice alarm and emergency evacuation systems in applicable markets
- IP54-rated with marine-grade aluminum grilles and hydrophobic cloth backing for permanent indoor or outdoor installation
- ClickMount bracket system — indexed pan-tilt and U-bracket options with tamper-resistant hardware; updated weather-sealed design with compressible silicone gaskets
- Ideal for restaurants, bars, hotels, casinos, fitness clubs, houses of worship, themed entertainment, and outdoor hospitality — any venue where the audio experience directly affects customer satisfaction



U-Bracket Options for EX and 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—at no additional cost.

- Low-profile design keeps loudspeakers as close to the wall as possible
- Indexing teeth on EX loudspeakers 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





BUSINESS AUDIO: SURFACE MOUNT

|                      | <br>KUB03 | <br>KUB03T | <br>KUB05 | <br>KUB05T | <br>MASK2 | <br>MASK4C | <br>MASK4CT | <br>MASK6C | <br>MASK6CT | <br>MASK8F | <br>DX-S5                                     | <br>DX-S8                                     | <br>EX-S6                                     | <br>EX-S8                                     | <br>EX-S10                                    | <br>EX-S10SUB                                 |
|----------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Loudspeaker Type     | 3-inch surface mount loudspeaker                                                           | 3-inch surface mount loudspeaker                                                            | Two-way 5.25-inch surface mount loudspeaker                                                | Two-way 5.25-inch surface mount loudspeaker                                                 | 2.5-inch surface mount loudspeaker                                                          | Two-way 4.25-inch surface mount loudspeaker                                                   | Two-way 4.25-inch surface mount loudspeaker                                                    | Two-way 6.5-inch surface mount loudspeaker                                                    | 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                                                                                                  |
| Drivers              | 1 x 3"                                                                                     | 1 x 3"                                                                                      | LF 1 x 5.25" HF 1 x 1"                                                                     | LF 1 x 5.25" HF 1 x 1"                                                                      | 1 x 2.5" paper cone                                                                         | LF 1 x 4.25" HF 1 x 1"                                                                        | LF 1 x 4.25" HF 1 x 1"                                                                         | LF 1 x 6.5" HF 1 x 1"                                                                         | 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"                                                                                                                       |
| Operating Range      | 115 Hz - 20 kHz                                                                            | 115 Hz - 20 kHz                                                                             | 115 Hz - 20 kHz                                                                            | 94 Hz - 20 kHz                                                                              | 125 Hz - 22 kHz                                                                             | 70 Hz - 22 kHz                                                                                | 70 Hz - 22 kHz                                                                                 | 65 Hz - 22 kHz                                                                                | 65 Hz - 22 kHz                                                                                 | 53 Hz - 22 kHz                                                                                | 75 Hz - 20 kHz                                                                                                                   | 62 Hz - 18 kHz                                                                                                                   | 58 Hz - 20 kHz                                                                                                                   | 55 Hz - 20 kHz                                                                                                                   | 48 Hz - 20 kHz                                                                                                                   | 38 Hz - 140 Hz                                                                                                                   |
| Sensitivity (1W/1m)  | 84 dB                                                                                      | 86 dB                                                                                       | 84 dB                                                                                      | 87 dB                                                                                       | 84 dB                                                                                       | 89 dB                                                                                         | 88 dB                                                                                          | 89 dB                                                                                         | 90 dB                                                                                          | 87 dB                                                                                         | 91 dB                                                                                                                            | 94 dB                                                                                                                            | 89 dB                                                                                                                            | 90 dB                                                                                                                            | 91 dB                                                                                                                            | 89 dB                                                                                                                            |
| Power Rating         | 25W Cont. 100W Peak                                                                        | 25W Cont. 100W Peak                                                                         | 50W Cont. 200W Peak                                                                        | 50W Cont. 200W Peak                                                                         | 35W Cont. 140W Peak                                                                         | 50W Cont. 200W Peak                                                                           | 50W Cont. 200W Peak                                                                            | 150W Cont. 600W Peak                                                                          | 150W Cont. 600W Peak                                                                           | 200W Cont. 800W Peak                                                                          | 100W Cont. 400W Peak                                                                                                             | 175W Cont. 700W Peak                                                                                                             | 200W Cont. 800W Peak                                                                                                             | 250W Cont. 1000W Peak                                                                                                            | 300W Cont. 1200W Peak                                                                                                            | 300W Cont. 1200W Peak                                                                                                            |
| Max Output @1m       | 98 dB 104 dB Peak                                                                          | 100 dB 106 dB Peak                                                                          | 101 dB 107 dB Peak                                                                         | 104 dB 110 dB Peak                                                                          | 99 dB 105 dB Peak                                                                           | 106 dB 112 dB Peak                                                                            | 105 dB 111 dB Peak                                                                             | 111 dB 117 dB Peak                                                                            | 112 dB 118 dB Peak                                                                             | 110 dB 116 dB Peak                                                                            | 109 dB 117 dB Peak                                                                                                               | 116 dB 126 dB Peak                                                                                                               | 112 dB 118 dB Peak                                                                                                               | 115 dB 121 dB Peak                                                                                                               | 118 dB 124 dB Peak                                                                                                               | 112 dB 118 dB Peak (UXO 80 Hz)                                                                                                   |
| Nominal Impedance    | 8Ω                                                                                         | 16Ω                                                                                         | 8Ω                                                                                         | 16Ω                                                                                         | 8Ω                                                                                          | 8Ω                                                                                            | 16Ω                                                                                            | 8Ω                                                                                            | 16Ω                                                                                            | 8Ω                                                                                            | 6Ω                                                                                                                               | 7Ω                                                                                                                               | 8Ω                                                                                                                               | 8Ω                                                                                                                               | 8Ω                                                                                                                               | 8Ω                                                                                                                               |
| Dispersion (H x V)   | 100° conical                                                                               | 100° conical                                                                                | 70° conical                                                                                | 80° conical                                                                                 | 110° conical                                                                                | 100° x 80°                                                                                    | 100° x 70°                                                                                     | 100° x 50°                                                                                    | 100° x 50°                                                                                     | 100° x 80°                                                                                    | 130° x 125°                                                                                                                      | 110° x 110°                                                                                                                      | 120° x 120°                                                                                                                      | 105° x 105°                                                                                                                      | 100° x 100°                                                                                                                      | omnidirectional                                                                                                                  |
| Transformer Taps     | n/a                                                                                        | 70V: 10W, 5W, 2.5W, 1.25W<br>100V: 10W, 5W, 2.5W                                            | n/a                                                                                        | 70V: 30W, 15W, 7.5W, 3W, 1.5W<br>100V: 30W, 15W, 6W, 3W                                     | n/a                                                                                         | n/a                                                                                           | n/a                                                                                            | n/a                                                                                           | 70V: 60W, 30W, 15W, 7.5W, 3W<br>100V: 60W, 30W, 15W, 6W                                        | n/a                                                                                           | 70V: 60W, 30W, 15W, 7.5W<br>100V: 60W, 30W, 15W                                                                                  | 70V: 120W, 60W, 30W, 15W<br>100V: 120W, 60W, 30W                                                                                 | 70V: 80W, 40W, 20W, 10W<br>100V: 80W, 40W, 20W                                                                                   | 70V: 80W, 40W, 20W, 10W<br>100V: 80W, 40W, 20W                                                                                   | 70V: 120W, 60W, 30W, 15W<br>100V: 120W, 60W, 30W                                                                                 | n/a                                                                                                                              |
| Environmental        | IP40 per IEC 60529                                                                         | IP40 per IEC 60529                                                                          | IP40 per IEC 60529                                                                         | IP40 per IEC 60529                                                                          | IP60 per IEC 60529                                                                          | IP64 per IEC 60529 Aluminum Grille                                                            | IP64 per IEC 60529 Aluminum Grille                                                             | IP64 per IEC 60529 Aluminum Grille                                                            | IP64 per IEC 60529 Aluminum Grille                                                             | Indoor                                                                                        | IP54 per IEC 60529, IEC 60068-2-5 (Solar Radiation), IEC 60068-2-11 (Salt Mist), IEC 60068-2-42 (SO2), IEC 60068-2-60 (Chlorine) | IP54 per IEC 60529, IEC 60068-2-5 (Solar Radiation), IEC 60068-2-11 (Salt Mist), IEC 60068-2-42 (SO2), IEC 60068-2-60 (Chlorine) | IP54 per IEC 60529, IEC 60068-2-5 (Solar Radiation), IEC 60068-2-11 (Salt Mist), IEC 60068-2-42 (SO2), IEC 60068-2-60 (Chlorine) | IP54 per IEC 60529, IEC 60068-2-5 (Solar Radiation), IEC 60068-2-11 (Salt Mist), IEC 60068-2-42 (SO2), IEC 60068-2-60 (Chlorine) | IP54 per IEC 60529, IEC 60068-2-5 (Solar Radiation), IEC 60068-2-11 (Salt Mist), IEC 60068-2-42 (SO2), IEC 60068-2-60 (Chlorine) | IP54 per IEC 60529, IEC 60068-2-5 (Solar Radiation), IEC 60068-2-11 (Salt Mist), IEC 60068-2-42 (SO2), IEC 60068-2-60 (Chlorine) |
| RAL Color            | Black RAL 9011<br>White RAL 9016                                                           | Black RAL 9011<br>White RAL 9016                                                            | Black RAL 9011<br>White RAL 9016                                                           | Black RAL 9011<br>White RAL 9016                                                            | Black RAL 9011<br>White RAL 9016                                                            | Black RAL 9011<br>White RAL 9016                                                              | Black RAL 9011<br>White RAL 9016                                                               | Black RAL 9011<br>White RAL 9016                                                              | Black RAL 9011<br>White RAL 9016                                                               | Black RAL 9011<br>White RAL 9003                                                              | Black RAL 9017<br>White RAL 9016                                                                                                 | Black RAL 9017<br>White RAL 9016                                                                                                 | Black RAL 9017<br>White RAL 9016                                                                                                 | Black RAL 9017<br>White RAL 9016                                                                                                 | Black RAL 9017<br>White RAL 9016                                                                                                 | Black RAL 9017<br>White RAL 9016                                                                                                 |
| Dimensions H x W x D | 4.9" x 5.2" x 4.3" (125 x 131 x 109 mm)                                                    | 4.9" x 5.2" x 4.3" (125 x 131 x 109 mm)                                                     | 6.1" x 6.4" x 5.3" (155 x 164 x 136 mm)                                                    | 6.1" x 6.4" x 5.3" (155 x 164 x 136 mm)                                                     | 3.7" x 3.2" x 4.3" (94 x 82 x 108 mm)                                                       | 9.4" x 5.7" x 5.7" (238 x 144 x 144 mm)                                                       | 9.4" x 5.7" x 5.7" (238 x 144 x 144 mm)                                                        | 12.9" x 7.8" x 7.5" (328 x 198 x 190 mm)                                                      | 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)                                                                                       |
| Weight               | 2.1 lbs (1 kg)                                                                             | 2.6 lbs (1.2 kg)                                                                            | 3.7 lbs (1.7 kg)                                                                           | 4.4 lbs (2 kg)                                                                              | 1.1 lbs (0.5 kg)                                                                            | 5 lbs (2.3 kg)                                                                                | 5 lbs (2.3 kg)                                                                                 | 9.7 lbs (4.4 kg)                                                                              | 9.7 lbs (4.4 kg)                                                                               | 19.8 lbs (9.0 kg)                                                                             | 10.3 lbs (4.7 kg)                                                                                                                | 17 lbs (7.71 kg)                                                                                                                 | 14.4 lbs (6.5 kg)                                                                                                                | 24.73 lbs (11.2 kg)                                                                                                              | 33.43 lbs (15.2 kg)                                                                                                              | 28.26 lbs (12.8 kg)                                                                                                              |
| Compliance           | n/a                                                                                        | n/a                                                                                         | n/a                                                                                        | n/a                                                                                         | n/a                                                                                         | n/a                                                                                           | n/a                                                                                            | n/a                                                                                           | n/a                                                                                            | n/a                                                                                           | CSA 62368-1                                                                                                                      | CSA 62368-1                                                                                                                      | UL1480A, CSA STD C22.2# 62368-1, EN54-24, ISO 7240-24, IEC 62368-1                                                               | UL1480A, CSA STD C22.2# 62368-1, EN54-24, ISO 7240-24, IEC 62368-1                                                               | UL1480A, CSA STD C22.2# 62368-1, EN54-24, ISO 7240-24, IEC 62368-1                                                               | UL1480A, CSA STD C22.2# 62368-1, EN54-24, ISO 7240-24, IEC 62368-1                                                               |

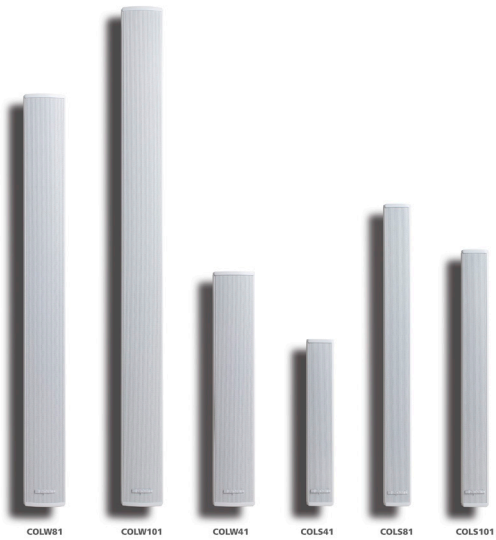


COLUMN LOUDSPEAKERS

Column loudspeakers are the solution for reverberant spaces—churches, museums, atria, terminals—where ceiling and wall speakers produce echo and poor intelligibility. Multiple stacked drivers create a narrow vertical sound beam that focuses audio on the audience and avoids and prevents sound from bouncing off reflective surfaces.

COL Series

- Extra-slim profile integrates naturally into architectural wall surfaces—significantly less visually intrusive than box speakers or traditional paging horns
- Advanced column acoustic technology produces well-controlled vertical dispersion, reducing ceiling and floor reflections and dramatically improving speech clarity in reverberant spaces
- IP66 Rated, standard installation tools and wall bracket included



E Series ENT200 Point Source

The ENT200 Series is an all-weather column loudspeaker system combining premium indoor performance with rugged outdoor construction. It is the right choice for outdoor direct exposure spaces, entrance lobbies, atria, and any environment requiring the combined benefits of column intelligibility and weather resistance.

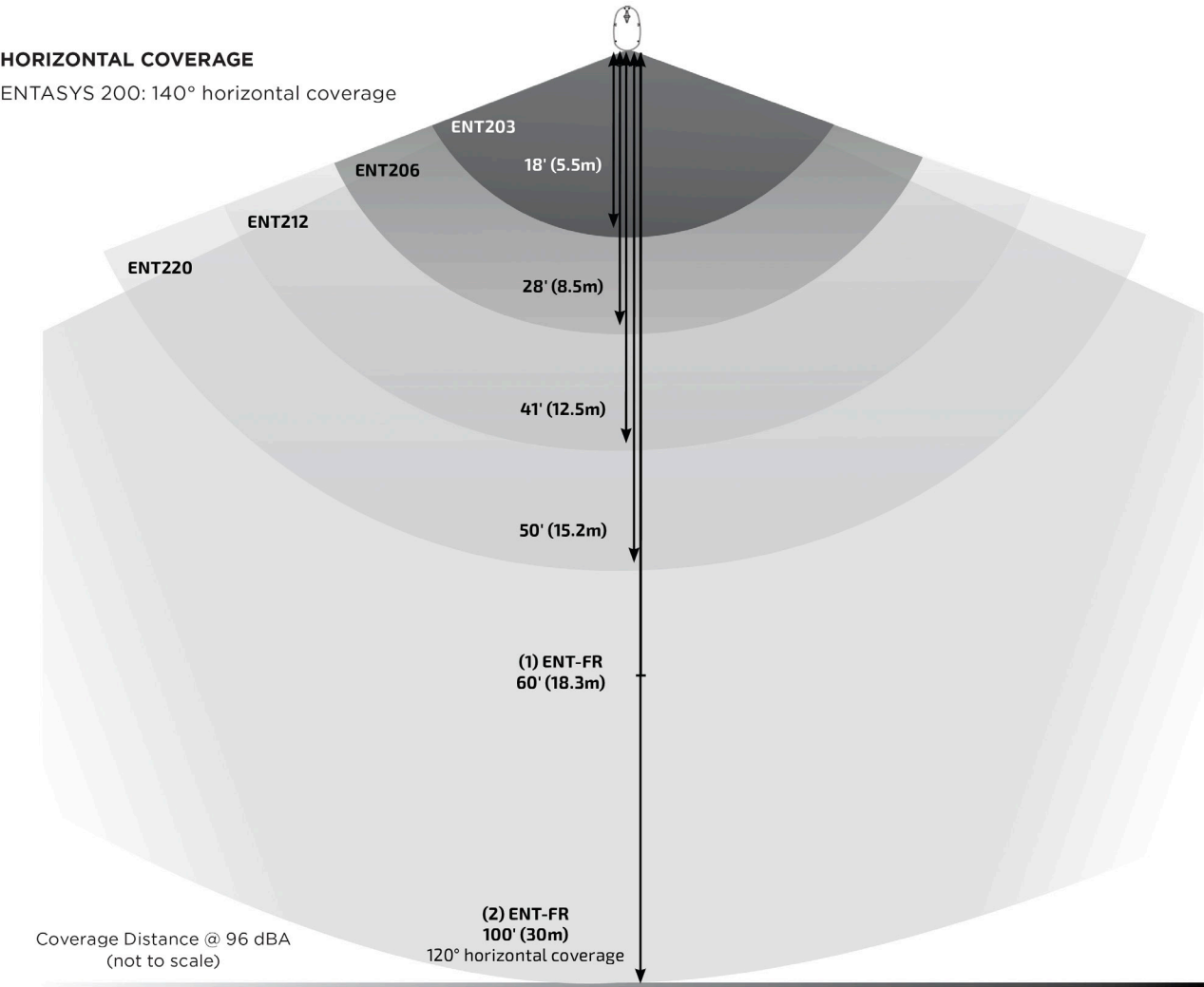
- Advanced passive crossover technology with dynamic protection circuitry ensures reliable, distortion-free performance at high output levels
- Compact Ribbon Emulator (CRE) high-frequency technology delivers narrow, well-controlled vertical directivity—significantly improving speech intelligibility in reverberant spaces compared to conventional full-range drivers
- All-weather IP54-rated construction for indoor/outdoor use in direct outdoor exposure applications
- Simple installation via included pan-tilt mounting bracket
- Selectable low-impedance or 70V / 100V constant-voltage operation



E Series ENT-FR/LF Line Source

A professional modular line source system delivering extraordinary coverage control and output in the most demanding environments. When ENT200 coverage control is not enough, or when very high output levels are required in challenging reverberant spaces, the ENT-FR with ENT-LF is the definitive answer.

- Modular, scalable design provides flexible coverage—configure the array length to match the exact requirements of each installation
- ENT-LF low-frequency column combines with ENT-FR to provide enhanced vertical directivity at low frequencies—providing full-bandwidth pattern control that no single-cabinet column speaker can achieve
- Wide frequency range with high-output level serves the most demanding permanent installations
- Excellent voice reproduction and musical sound quality—not a compromise between intelligibility and musical fidelity
- All-weather IP54-rated construction for indoor/outdoor use in direct outdoor exposure applications
- Integrated mounting bracket with numerous optional mounting accessories





BUSINESS AUDIO: COLUMN LOUDSPEAKERS

|                      | <br>COLS41 | <br>COLS81 | <br>COLS101 | <br>COLW41 | <br>COLW81 | <br>COLW101 | <br>ENT203 | <br>ENT206 | <br>ENT212 | <br>ENT220 | <br>ENT-FR | <br>ENT-LF |
|----------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Loudspeaker Type     | Two-way 4 x 2-inch column loudspeaker                                                       | Two-way 8 x 2-inch column loudspeaker                                                       | Two-way 10 x 2-inch column loudspeaker                                                       | Two-way 4 x 3.3-inch column loudspeaker                                                       | Two-way 8 x 3.3-inch column loudspeaker                                                       | Two-way 10 x 3.3-inch column loudspeaker                                                       | 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                                                                          |
| Drivers              | LF 4 x 2"<br>HF 1 x 1"                                                                      | LF 8 x 2"<br>HF 1 x 1"                                                                      | LF 10 x 2"<br>HF 1 x 1"                                                                      | LF 4 x 3.3"<br>HF 1 x 1"                                                                      | LF 8 x 3.3"<br>1 x 1"                                                                         | LF 10 x 3.3"<br>1 x 1"                                                                         | LF 3 x 3.15"<br>HF 1 x 3-element CRE                                                          | LF 6 x 3.15"<br>HF 2 x 3-element CRE                                                          | LF 12 x 3.15"<br>HF 4 x 3-element CRE                                                         | LF 20 x 3.15"<br>HF 4 x 3-element CRE                                                         | LF 6 x 3.5"<br>MF 18 x 2.35"<br>HF 6 x 7" CRE                                                 | LF 6 x 3.5"                                                                                   |
| Operating Range      | 175 Hz - 22 kHz                                                                             | 185 Hz - 22 kHz                                                                             | 195 Hz - 22 kHz                                                                              | 155 Hz - 16 kHz                                                                               | 165 Hz - 17 kHz                                                                               | 165 Hz - 18 kHz                                                                                | 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                                                                              |
| Sensitivity (1W/1m)  | 87 dB                                                                                       | 89 dB                                                                                       | 91 dB                                                                                        | 94 dB                                                                                         | 97 dB                                                                                         | 99 dB                                                                                          | 92 dB                                                                                         | 94 dB                                                                                         | 97 dB                                                                                         | 99 dB                                                                                         | Curved (12°V): 93 dB<br>Straight (6°V): 95 dB                                                 | 90 dB                                                                                         |
| Power Rating         | 20W Cont.<br>80W Peak                                                                       | 30W Cont.<br>120W Peak                                                                      | 30W Cont.<br>120W Peak                                                                       | 40W Cont.<br>160W Peak                                                                        | 80W Cont.<br>320W Peak                                                                        | 100W Cont.<br>400W Peak                                                                        | 75W Cont.<br>300W Peak                                                                        | 150W Cont.<br>600W Peak                                                                       | 325W Cont.<br>1300W Peak                                                                      | 500W Cont.<br>2000W Peak                                                                      | 600W Cont.<br>2400W Peak                                                                      | 600W Cont.<br>2400W Peak                                                                      |
| Max Output @1m       | 100 dB<br>106 dB Peak                                                                       | 104 dB<br>110 dB Peak                                                                       | 106 dB<br>112 dB Peak                                                                        | 110 dB<br>116 dB Peak                                                                         | 116 dB<br>122 dB Peak                                                                         | 119 dB<br>125 dB Peak                                                                          | 111 dB<br>117 dB Peak                                                                         | 116 dB<br>122 dB Peak                                                                         | 122 dB<br>128 dB Peak                                                                         | 126 dB<br>132 dB Peak                                                                         | Curved (12°V): 120 dB<br>Straight (6°V): 122 dB                                               | 116 dB                                                                                        |
| Nominal Impedance    | 8Ω                                                                                          | 16Ω                                                                                         | 8Ω                                                                                           | 16Ω                                                                                           | 8Ω                                                                                            | 8Ω                                                                                             | 16Ω                                                                                           | 8Ω                                                                                            | 8Ω                                                                                            | 8Ω                                                                                            | 12Ω                                                                                           | 12Ω                                                                                           |
| Dispersion (H x V)   | 150° x 20°                                                                                  | 120° x 15°                                                                                  | 120° x 10°                                                                                   | 100° x 15°                                                                                    | 100° x 10°                                                                                    | 100° x 8°                                                                                      | 140° x 40°                                                                                    | 140° x 20°                                                                                    | 140° x 15°                                                                                    | 140° x 15°                                                                                    | Horizontal: 120°<br>Vertical: 12° or 6°<br>(user configurable)                                | Using ENT-LF columns with ENT-FR enhances vertical pattern control at lower frequencies       |
| Transformer Taps     | 70V: 20W, 10W, 5W, 2.5W<br>100V: 20W, 10W, 5W                                               | 70V: 30W, 15W, 7.5W, 3W<br>100V: 30W, 15W, 7.5W                                             | 70V: 40W, 20W, 10W, 5W<br>100V: 40W, 20W, 10W                                                | 70V: 40W, 30W, 15W, 7.5W<br>100V: 40W, 30W, 15W                                               | 70V: 80W, 40W, 20W, 15W<br>100V: 80W, 40W, 30W                                                | 70V: 100W, 60W, 40W, 20W<br>100V: 100W, 60W, 40W                                               | 70V: 30W, 15W, 7.5W, 3.75W, 1.88W<br>100V: 30W, 15W, 7.5W, 3.75W                              | 70V: 60W, 30W, 15W, 7.5W, 3.75W<br>100V: 60W, 30W, 15W, 7.5W                                  | 70V: 120W, 60W, 30W, 15W, 7.5W<br>100V: 120W, 60W, 30W, 15W                                   | 70V: 120W, 60W, 30W, 15W, 7.5W<br>100V: 120W, 60W, 30W, 15W                                   | n/a                                                                                           | n/a                                                                                           |
| Environmental        | IP66, Aluminum Grille                                                                       | IP66, Aluminum Grille                                                                       | IP66, Aluminum Grille                                                                        | IP66, Aluminum Grille                                                                         | IP66, Aluminum Grille                                                                         | IP66, Aluminum Grille                                                                          | IP54, MIL-STD-810G, Aluminum Grille                                                           | IP54, MIL-STD-810G, Aluminum Grille                                                           | IP54, MIL-STD-810G, Aluminum Grille                                                           | IP54, MIL-STD-810G, Aluminum Grille                                                           | IP54, MIL-STD-810G, Aluminum Grille                                                           | IP54, MIL-STD-810G, Aluminum Grille                                                           |
| RAL Color            | White RAL 9016                                                                              | White RAL 9016                                                                              | White RAL 9016                                                                               | White RAL 9016                                                                                | White RAL 9016                                                                                | White RAL 9016                                                                                 | Black RAL 9005<br>White RAL 9003                                                              | Black RAL 9005<br>White RAL 9003                                                              | Black RAL 9005<br>White RAL 9003                                                              | Black RAL 9005<br>White RAL 9003                                                              | Black RAL 9005<br>White RAL 9003                                                              | Black RAL 9005<br>White RAL 9003                                                              |
| Dimensions H x W x D | 15.7" x 2.6" x 2.6"<br>(400 x 66 x 66 mm)                                                   | 24.2" x 2.6" x 2.6"<br>(614 x 66 x 66 mm)                                                   | 28.4" x 2.6" x 2.6"<br>(721 x 66 x 66 mm)                                                    | 21.9" x 3.9" x 3.3"<br>(555 x 100 x 83 mm)                                                    | 38.3" x 3.9" x 3.3"<br>(974 x 100 x 83 mm)                                                    | 46.5" x 3.9" x 3.3"<br>(1180 x 100 x 83 mm)                                                    | 10.34" x 4.63" x 7.48"<br>(263 x 118 x 190 mm)                                                | 19.93" x 4.63" x 7.48"<br>(506 x 118 x 190 mm)                                                | 39.11" x 4.63" x 7.48"<br>(993 x 118 x 190 mm)                                                | 64.69" x 4.63" x 7.48"<br>(1643 x 118 x 190 mm)                                               | 44.5" x 5.5" x 7.4"<br>(1129 x 140 x 187 mm)                                                  | 44.5" x 5.5" x 7.4"<br>(1129 x 140 x 187 mm)                                                  |
| Weight               | 4.4 lbs (2.0 kg)                                                                            | 6.4 lbs (2.9 kg)                                                                            | 7.3 lbs (3.3 kg)                                                                             | 8.6 lbs (3.9 kg)                                                                              | 14.8 lbs (6.7 kg)                                                                             | 17 lbs (7.7 kg)                                                                                | 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

Full bass transforms background audio from background noise into a genuine listening experience. Desono subwoofers are ultra-compact by design—integrating invisibly into any interior.

SUBLIME

The SUBLIME is the thinnest compact subwoofer available in the commercial audio market—making it the ideal solution for any space where a standard subwoofer box would be visually obtrusive or physically impossible to install.

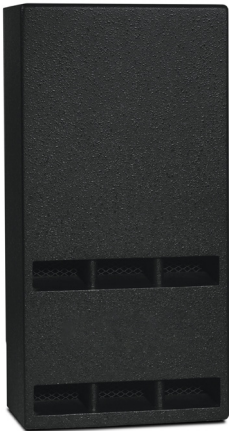
- At just 4.7 inches (120mm) deep, the SUBLIME is the thinnest subwoofer on the market—installs flush against any wall surface or inside shallow cabinetry where no competing subwoofer will fit
- Ultra-compact 6.5-inch dual coil design delivers punchy, accurate bass from a cabinet fraction the size of conventional subwoofers
- Ideal partner for the MASK2, KUBO3, KUBO5, OVO3, CM3T, and CM Series—designed and voiced to integrate seamlessly with Desono surface and ceiling speakers for a complete system from a single manufacturer
- Wall mounting brackets and installation template included for fast, precise installation



SUB2201

The SUB2201 delivers compact, punchy bass for mid-size commercial spaces—restaurants, bars, retail stores, and multi-purpose rooms—where a full-size subwoofer is impractical but the deep bass of a complete music system is essential.

- Compact passive 10" subwoofer produces smooth, impactful bass that brings background music systems to life
- Smooth, rounded bass response makes music sound full and engaging
- Ideal complement to all DESONO and Commercial surface mount speakers for complete system sound in bars, restaurants, shops, and multipurpose rooms



SUB2400

When maximum bass impact is needed in a commercial environment—nightclubs, high-volume bars, premium entertainment venues, and large multi-purpose rooms—the SUB2400 delivers.

- Dual 10" driver configuration delivers powerful bass with faster, stronger transient response than a single 15" subwoofer—more punch and articulation for music-forward applications
- 600W continuous / 2,400W peak power handling serves the highest-demand commercial entertainment environments
- Ideal system match with all Desono surface mount speakers for a complete high-performance business audio system



BUSINESS AUDIO: SUBWOOFERS

|                      | <br>SUBLIME | <br>SUB2201 | <br>SUB2400 |
|----------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Loudspeaker Type     | 6.5-inch dual-coil, ultra-compact subwoofer                                                    | 10-inch compact subwoofer                                                                      | Dual 10-inch subwoofer                                                                         |
| Drivers              | LF 1 x 6.5"                                                                                    | LF 1 x 10"                                                                                     | LF 2 x 10"                                                                                     |
| Operating Range      | 50 Hz - 200 Hz                                                                                 | 45 Hz - 150 Hz                                                                                 | 45 Hz - 150 Hz                                                                                 |
| Sensitivity (1W/1m)  | 85 dB                                                                                          | 96 dB                                                                                          | 99 dB                                                                                          |
| Power Rating         | 2 x 40W Cont.<br>160W Peak                                                                     | 125W Cont.<br>500W Peak                                                                        | 600W Cont.<br>2400W Peak                                                                       |
| Max Output @1m       | 101 dB<br>107 dB Peak                                                                          | 114 dB<br>120 dB Peak                                                                          | 127 dB<br>133 dB Peak                                                                          |
| Nominal Impedance    | 8Ω                                                                                             | 4Ω                                                                                             | 4Ω / 16Ω (selectable)                                                                          |
| Dispersion           | Omnidirectional                                                                                | Omnidirectional                                                                                | Omnidirectional                                                                                |
| Transformer Taps     | n/a                                                                                            | n/a                                                                                            | n/a                                                                                            |
| Environmental        | IP20 per IEC 60529                                                                             | Indoor                                                                                         | IP20 per IEC 60529                                                                             |
| RAL Color            | Black RAL 9011<br>White RAL 9003                                                               | Black RAL 9011                                                                                 | Black RAL 9011<br>White RAL 9003                                                               |
| Dimensions H x W x D | 16.5" x 4.7" x 18.5"<br>(420 x 120 x 470 mm)                                                   | 23.6" x 11.8" x 15"<br>(600 x 300 x 380 mm)                                                    | 27.6" x 13.9" x 17.7"<br>(700 x 352 x 450 mm)                                                  |
| Weight               | 17.6 lbs (8 kg)                                                                                | 40.8 lbs (18.5 kg)                                                                             | 64.4 lbs (29.2 kg)                                                                             |

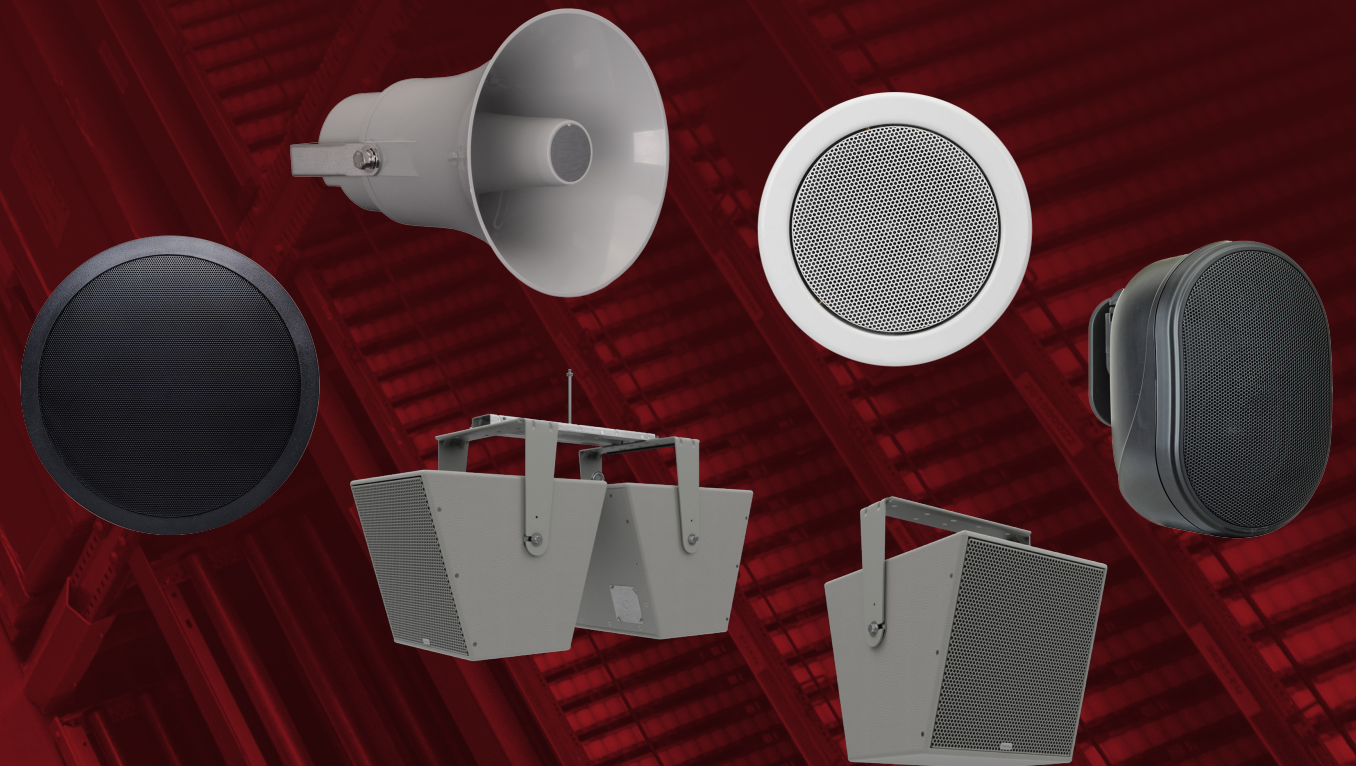


# COMMERCIAL LOUDSPEAKERS

Installer-friendly loudspeakers intended for large-scale distributed deployments

The Commercial line is built for large-scale distributed deployments—retail, hospitality, warehouses, campuses, and chain locations—where installation speed, broad system compatibility, and cost efficiency determine product selection. Where Desono is optimized for acoustic excellence in individual spaces, Commercial loudspeakers are optimized for practical large-scale roll-out: fast installation, wide format coverage, and reliable performance across hundreds of locations.

- In-ceiling, surface mount, column, and pendant form factors
- Constant coverage aisle loudspeakers for long, narrow reverberant spaces
- 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 elegant designs that enable streamlined installation every time. With multiple series covering every budget and application, the Commercial ceiling range is one of the most extensive available from a single manufacturer.

### Drop Ceiling Series

Engineered specifically for environments where standard ceiling tile speakers either don't fit or create installation complications, the Drop Ceiling Series is the effortless solution for large-scale 2' x 2' grid deployments.

- Drops directly into standard 2' x 2' ceiling grid without modification—the fastest commercial ceiling speaker installation available.
- UL1480A and UL2043 certified; native Vocia™ voice communication solution integration.
- DC220T-M fits 600mm x 600mm metric grids without custom fittings.



### CM Back Can Series

The CM Back Can Series provides UL-certified ceiling speaker performance at the lowest possible cost—ideal for large-scale deployments where quantity and budget are the primary constraints.

- Our lowest-cost UL-certified back-can ceiling loudspeakers for large-scale budget deployments.
- UL1480A and UL2043 certified; designed for Biamp Vocia™ voice communication solution.



### CM Economy Series

Maximum installation speed at minimum cost—the CM Economy Series is designed for the fastest possible deployment across large commercial installations where every minute of installation time is a direct cost impact.

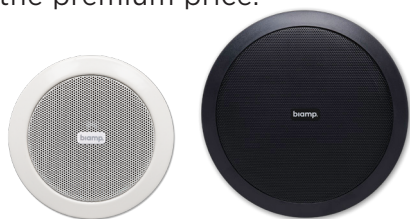
- Optimized for quality speech reproduction, background music, safety messaging, and paging—the core functions of any commercial audio deployment.
- Extremely fast and easy to install, reducing labor costs significantly on large-scale commercial roll-outs.
- 70V / 100V operation—the global standards for commercial distributed audio systems.



### CM Classic Series

The CM Classic Series delivers a meaningful upgrade in sound quality and versatility for commercial applications that demand more than basic background audio—without the premium price.

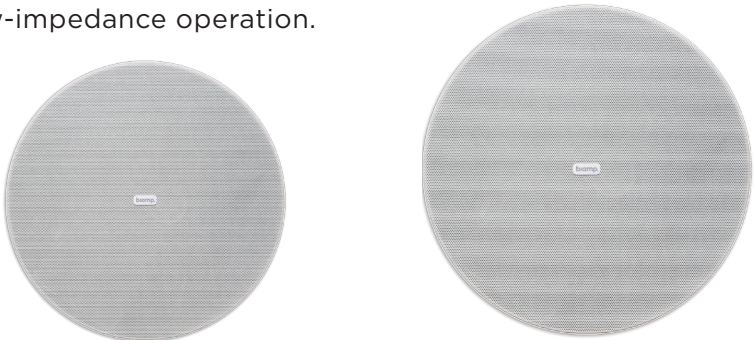
- Excellent sound in an elegant design; 70V / 100V and low-impedance operation for compatibility with any commercial audio.
- IP54 Rated with aluminum grilles.



## CM Design Series

Sharing all the acoustic specifications of the CM Classic Series but featuring an ultra-thin edge grille with integrated neodymium magnets, the CM Design Series is the choice for upscale retail, boutique hospitality, and any commercial space where the visual quality of the ceiling must not be compromised.

- Architecturally refined appearance.
- 70V / 100V and low-impedance operation.



### Ceiling Subwoofer

Bringing genuinely impactful bass to commercial ceiling audio systems without requiring visible floor or wall-mounted subwoofer enclosures.

- Installs in a standard ceiling cutout.
- Delivers deep, flat bass extension (down to 39 Hz) without occupying valuable wall or floor space.
- Ideal companion to all Commercial in-ceiling and surface-mount loudspeakers for complete full-range system sound.



## MARINE Series

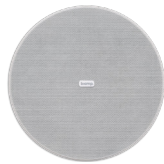
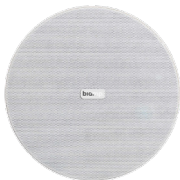
Standard commercial loudspeakers fail in marine environments. The CMAR Marine Series is purpose-built for the unique demands of vessels, aquatic facilities, and humid tropical environments where chlorine, saltwater, and extreme humidity cause rapid corrosion in conventional loudspeakers.

- Chlorine- and saltwater-proof construction—engineered specifically for yachts, cruise ships, swimming pools, and saunas where competing standard commercial speakers fail within months.
- IP65-rated for complete protection against dust and water jets from any direction.
- Suitable for continuous use in hot and humid conditions without degradation in sound quality or structural integrity.
- 70V / 100V and low-impedance models available.





COMMERCIAL LOUDSPEAKERS: CEILING MOUNT

|                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|---------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                       |  |  |  |  |  |  |  |  |  |  |
|                                       | DC220T(M)                                                                         | CM10TB                                                                            | CM3T                                                                              | CM4T                                                                                | CM6E                                                                                | CM6T                                                                                | CM20T                                                                               | CM20DT                                                                              | CMX20T                                                                              | CMX20DT                                                                             |
| Loudspeaker Type                      | 6.5-inch 70V/100V Ceiling Tile Loudspeaker                                        | 5.5-inch 70V/100V Ceiling Mount Loudspeaker                                       | 3-inch 70V/100V ceiling loudspeaker                                               | 4-inch 70V/100/V ceiling loudspeaker                                                | 6.5-inch 70V / 100V dual cone ceiling loudspeaker                                   | Two-way 6.5-inch 70V/100V 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                               |
| Drivers                               | 1 x 6.5"                                                                          | 1 x 5.5"                                                                          | 1 x 3" coated paper dual cone                                                     | 1 x 4" coated paper dual cone                                                       | 1 x 6.5" paper dual cone                                                            | 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"                                          |
| Operating Range                       | 100 Hz to 18.5 Hz                                                                 | 120 Hz to 20 Hz                                                                   | 120 Hz - 18 kHz                                                                   | 90 Hz - 19 kHz                                                                      | 70 Hz - 20 kHz                                                                      | 60 Hz - 20 kHz                                                                      | 60 Hz - 20 kHz                                                                      | 60 Hz - 20 kHz                                                                      | 50 Hz - 20 kHz                                                                      | 50 Hz - 20 kHz                                                                      |
| Sensitivity (1W/1m)                   | 93 dB                                                                             | 94 dB                                                                             | 87 dB                                                                             | 88 dB                                                                               | 91 dB                                                                               | 87 dB                                                                               | 86 dB                                                                               | 86 dB                                                                               | 88 dB                                                                               | 88 dB                                                                               |
| Power Rating                          | 10W Cont. 40W Peak                                                                | 10W Cont. 40W Peak                                                                | 10W Cont. 40W Peak                                                                | 30W Cont. 80W Peak                                                                  | 15W Cont. 60W Peak                                                                  | 30W Cont. 120W Peak                                                                 | 30W Cont. 120W Peak                                                                 | 30W Cont. 120W Peak                                                                 | 50W Cont. 200W Peak                                                                 | 50W Cont. 200W Peak                                                                 |
| Max Output @1m                        | 102 dB 114 db peak                                                                | 103 db 115 db peak                                                                | 99 dB 105 dB Peak                                                                 |                                                                                     | 99 dB 105 dB Peak                                                                   | 105 dB 111 dB Peak                                                                  | 104 dB 110 dB Peak                                                                  | 104 dB 110 dB Peak                                                                  | 108 dB 114 dB Peak                                                                  | 108 dB 114 dB Peak                                                                  |
| Nominal Impedance                     | 8Ω                                                                                | 8Ω                                                                                | 16Ω                                                                               | 16Ω                                                                                 | 4Ω                                                                                  | 16Ω                                                                                 | 16Ω                                                                                 | 16Ω                                                                                 | 16Ω                                                                                 | 16Ω                                                                                 |
| Dispersion                            | 130° conical                                                                      | 145° conical                                                                      | 180° conical                                                                      | 180° conical                                                                        | 180° conical                                                                        | 180° conical                                                                        | 180° conical                                                                        | 180° conical                                                                        | 180° conical                                                                        | 180° conical                                                                        |
| Transformer Taps                      | 70 V: 10 W, 5 W, 2.5 W, 1.25 W, 0.625 W;<br>100 V: 10 W, 5 W, 2.5 W, 1.25 W       | 70 V: 10 W, 5 W, 2.5 W, 1.25 W, 0.625 W;<br>100 V: 10 W, 5 W, 2.5 W, 1.25 W       | 70V: 6W, 3W, 1.5W, 0.75W<br>100V: 6W, 3W, 1.5W                                    | 70V: 6W - 3W - 1.5W - 0.75W<br>100V: 6W - 3W - 1.5W                                 | 70V: 3 W - 1.5 W - 0.75 W<br>100V: 6W, 3W, 1.5W                                     | 70V: 6W, 3W, 1.5W, 0.75W<br>100V: 6W, 3W, 1.5W                                      | 70V: 20W, 10W, 5W, 2.5W<br>100V: 20W, 10W, 5W                                       | 70V: 20W, 10W, 5W, 2.5W<br>100V: 20W, 10W, 5W                                       | 70V: 20W, 10W, 5W, 2.5W<br>100V: 20W, 10W, 5W                                       | 70V: 20W, 10W, 5W, 2.5W<br>100V: 20W, 10W, 5W                                       |
| Environmental                         | Indoor                                                                            | Indoor                                                                            | IP50, aluminum grille                                                             | IP50                                                                                | IP50                                                                                | IP54, Aluminum Grille                                                               | IP54, Aluminum Grille                                                               | IP50                                                                                | IP54, Aluminum Grille                                                               | IP50                                                                                |
| RAL Color                             | White RAL 9016                                                                    | White RAL 9016                                                                    | Black RAL 9011<br>White RAL 9010                                                  | Black: RAL9011<br>White: RAL9010                                                    | White RAL 9010                                                                      | Black RAL 9011<br>White RAL 9010                                                    | Black RAL 9011<br>White RAL 9010                                                    | White RAL 9010                                                                      | Black RAL 9011<br>White RAL 9010                                                    | White RAL 9010                                                                      |
| Dimensions - Bezel Dia. x Total Depth | 23.8" x 4.2"<br>(603 mm x 107 mm)<br>DC220T(M): 600mm x 107mm                     | 8.8" x 6.3"<br>(223 mm x 159 mm)                                                  | 4.1" x 2.9"<br>(105 x 74 mm)                                                      | 5.3" x 4.2"<br>(133 x 108 mm)                                                       | 8" x 2.8"<br>(205 x 70 mm)                                                          | 8" x 2.8"<br>(205 x 75 mm)                                                          | 8" x 3.1"<br>(205 x 80 mm)                                                          | 8.3" x 3.1"<br>(210 x 80 mm)                                                        | 9.6" x 3.4"<br>(244 x 87 mm)                                                        | 9.8" x 3.4"<br>(250 x 87 mm)                                                        |
| Cutout Diameter                       | NA. Replaces standard drop-in ceiling tile                                        | 7.6" (193 mm)                                                                     | 3.3" (85 mm)                                                                      | 4.25" (108 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)                                                                       |
| Weight                                | 16.3 lbs (7.4 kg)                                                                 | 4.6 lbs (2.1 kg)                                                                  | 0.77 lbs (0.35 kg)                                                                | 1.52 lbs (0.69 kg)                                                                  | 1.65 lbs (0.75 kg)                                                                  | 3.09 lbs (1.4 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

|                                       |                                                                                              |                                                                                                |                                                                                                |                                                                                                 |                                                                                                |                                                                                                 |                                                                                               |
|---------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
|                                       | <br>CMAR5-W | <br>CMAR5T-W | <br>CMAR6-W | <br>CMAR6T-W | <br>CMAR8-W | <br>CMAR8T-W | <br>CMSUB8 |
| Loudspeaker Type                      | Two-way 5.25-inch 70V/100V marine ceiling loudspeaker                                        | Two-way 5.25-inch 70V/100V marine ceiling loudspeaker                                          | Two-way 6.5-inch 70V/100V marine ceiling loudspeaker                                           | Two-way 6.5-inch 70V/100V marine ceiling loudspeaker                                            | Two-way 8-inch 70V/100V marine ceiling loudspeaker                                             | Two-way 8-inch 70V/100V marine ceiling loudspeaker                                              | 8-inch 70V/100V dual coil ceiling subwoofer                                                   |
| Drivers                               | LF 1 x 5.25"<br>HF 1 x 1"                                                                    | LF 1 x 5.25"<br>HF 1 x 1"                                                                      | LF 1 x 6.5"<br>HF 1 x 1"                                                                       | LF 1 x 6.5"<br>HF 1 x 1"                                                                        | LF 1 x 8"<br>HF 1 x 1"                                                                         | LF 1 x 8"<br>HF 1 x 1"                                                                          | LF 1 x 8" dual coil coated paper                                                              |
| Operating Range                       | 85 Hz - 20 kHz                                                                               | 85 Hz - 20 kHz                                                                                 | 78 Hz - 20 kHz                                                                                 | 78 Hz - 20 kHz                                                                                  | 55 Hz - 20 kHz                                                                                 | 55 Hz - 20 kHz                                                                                  | 50 Hz - 200 Hz                                                                                |
| Sensitivity (1W/1m)                   | 88 dB                                                                                        | 88 dB                                                                                          | 89 dB                                                                                          | 89 dB                                                                                           | 88 dB                                                                                          | 88 dB                                                                                           | 88 dB                                                                                         |
| Power Rating                          | 25W cont.<br>100W Peak                                                                       | 25W cont.<br>100W Peak                                                                         | 30W cont.<br>120W Peak                                                                         | 30W cont.<br>120W Peak                                                                          | 50W cont.<br>200W Peak                                                                         | 50W cont.<br>200W Peak                                                                          | 2 x 40W cont.<br>160W Peak                                                                    |
| Max Output @1m                        | 100 dB<br>106 dB Peak                                                                        | 100 dB<br>106 dB Peak                                                                          | 104 dB<br>110 dB Peak                                                                          | 104 dB<br>110 dB Peak                                                                           | 107 dB<br>113 dB Peak                                                                          | 107 dB<br>113 dB Peak                                                                           | 107 dB<br>113 dB Peak                                                                         |
| Nominal Impedance                     | 8Ω                                                                                           | 8Ω                                                                                             | 8Ω                                                                                             | 8Ω                                                                                              | 8Ω                                                                                             | 8Ω                                                                                              | 2 x 8Ω                                                                                        |
| Dispersion                            | 180° conical                                                                                 | 180° conical                                                                                   | 180° conical                                                                                   | 180° conical                                                                                    | 180° conical                                                                                   | 180° conical                                                                                    | Omnidirectional                                                                               |
| Transformer Taps                      | n/a                                                                                          | 70V: 20W - 10W - 5W - 2.5W - 1.25W<br>100V: 20W, 10W, 5W, 2.5W                                 | n/a                                                                                            | 70V: 20W - 10W - 5W - 2.5W - 1.25W<br>100V: 20W, 10W, 5W, 2.5W                                  | n/a                                                                                            | 70V: 20W - 10W - 5W - 2.5W - 1.25W                                                              | n/a                                                                                           |
| Environmental                         | IP65, Stainless Steel Grille                                                                 | IP65, Stainless Steel Grille                                                                   | IP65, Stainless Steel Grille                                                                   | IP65, Stainless Steel Grille                                                                    | IP65, Stainless Steel Grille                                                                   | IP65, Stainless Steel Grille                                                                    | IP54, Aluminum Grille                                                                         |
| RAL Color                             | White RAL 9003                                                                               | White RAL 9003                                                                                 | White RAL 9003                                                                                 | White RAL 9003                                                                                  | White RAL 9003                                                                                 | White RAL 9003                                                                                  | White RAL 9003                                                                                |
| Dimensions - Bezel Dia. x Total Depth | 6" x 2.2"<br>(152 x 55 mm)                                                                   | 6" x 2.2"<br>(152 x 55 mm)                                                                     | 7.5" x 2.4"<br>(190 x 61 mm)                                                                   | 7.5" x 2.4"<br>(190 x 61 mm)                                                                    | 8.7" x 3"<br>(220 x 76 mm)                                                                     | 8.7" x 3"<br>(220 x 76 mm)                                                                      | 9.7" x 3.8"<br>(246 x 97 mm)                                                                  |
| Cutout Diameter                       | 4.4" (113 mm)                                                                                | 4.4" (113 mm)                                                                                  | 5.9" (151 mm)                                                                                  | 5.9" (151 mm)                                                                                   | 7.2" (184 mm)                                                                                  | 7.2" (184 mm)                                                                                   | 8.8" (223 mm)                                                                                 |
| Weight                                | 1.32 lbs (0.6 kg)                                                                            | 2.53 lbs (1.15 kg)                                                                             | 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

Biamp Commercial surface-mount loudspeakers are designed for cost-effective installation in a wide variety of commercial establishments where ceiling installation is impractical or impossible. They deliver reliable background music and paging performance in the formats and specifications most commonly needed in retail, food service, hospitality, and industrial environments.

OVO Series

The distinctive oval form factor distinguishes the OVO visually from the standard rectangular commercial loudspeaker—an important consideration in hospitality, restaurant, and retail environments where speaker aesthetics contribute to the overall venue design.

- Contemporary oval design is a genuine differentiator in commercial spaces where standard rectangular speakers look institutional.
- Ideal for background music and paging in bars, restaurants, retail, and hospitality environments.
- 70V / 100V and low-impedance operation.



ROCK20

When the requirement is outdoor sound in a visually sensitive natural environment—gardens, theme parks, outdoor dining areas, pool decks, and resort grounds—the ROCK20 provides full-range commercial audio completely hidden within a realistic rock-shaped enclosure.

- Weatherproof and inconspicuous design allows ROCK20 speakers to disappear completely into outdoor landscaped environments—no visible speaker hardware, no aesthetic compromise.
- IP64-rated with aluminum grille for complete outdoor use in rain and humidity.
- Full-range 6.5-inch polypropylene woofer with 1-inch tweeter delivers genuine commercial audio quality, not a lo-fi sound effect.
- 70V / 100V distributed-audio-compatible for simple integration into large-scale outdoor audio systems.



COMMERCIAL LOUDSPEAKERS: SURFACE MOUNT

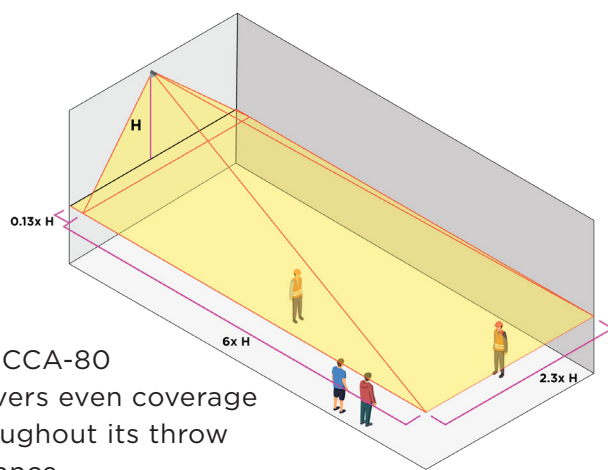
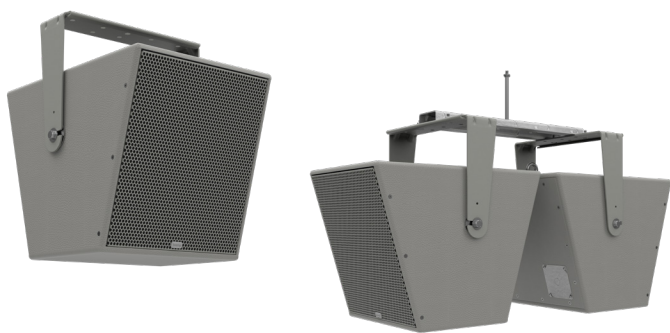
|                        |                                                                                              |                                                                                              |                                                                                               |
|------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
|                        | <br>OVO3T | <br>OVO5T | <br>ROCK20 |
| Loudspeaker Type       | Two-way 3-inch 70V/100V surface mount loudspeaker                                            | Two-way 5.25-inch 70V/100V surface mount loudspeaker                                         | Two-way 6.5-inch outdoor loudspeaker                                                          |
| Drivers                | LF 1 x 3" coated paper cone<br>HF 1 x 1" silk dome                                           | LF 1 x 5.25" coated paper cone<br>HF 1 x 1" silk dome                                        | LF 1 x 6.5" polypropylene<br>HF 1 x 1"                                                        |
| Operating Range        | 100 Hz - 20 kHz                                                                              | 74 Hz - 20 kHz                                                                               | 60 Hz - 20 kHz                                                                                |
| Sensitivity (1W/1m)    | 86 dB                                                                                        | 89 dB                                                                                        | 98 dB                                                                                         |
| Power Rating           | 20W cont.                                                                                    | 40W cont.                                                                                    | 25W cont.<br>100W Peak                                                                        |
| Max Output @1m         | 93 dB<br>105 dB Peak                                                                         | 102 dB<br>112 dB Peak                                                                        | 113 dB<br>119 dB Peak                                                                         |
| Nominal Impedance      | 16Ω                                                                                          | 16Ω                                                                                          | 8Ω                                                                                            |
| Dispersion             | 185° x 135°                                                                                  | 130° x 100°                                                                                  | 180° x 55°                                                                                    |
| Transformer Taps       | 70V: 6W, 3W, 1.5W, 0.75W<br>100V: 6W, 3W, 1.5W                                               | 70V: 30W, 15W, 7.5W, 3W, 1.5W<br>100V: 30W, 15W, 6W, 3W                                      | 70V: 10W - 5W - 2.5W - 1.25W<br>100V: 20W, 10W, 5W, 2.5W                                      |
| Environmental          | IP40                                                                                         | IP40                                                                                         | IP64, Aluminum Grille                                                                         |
| RAL Color              | Black RAL 9011<br>White RAL 9003                                                             | Black RAL 9011<br>White RAL 9003                                                             | Grey RAL 7046                                                                                 |
| Dimensions - H x W x D | 6.3" x 4.2" x 4.7"<br>(160 mm x 108 mm x 119 mm)                                             | 10.1" x 6.6" x 7.4"<br>(256 x 167 x 189 mm)                                                  | 10.2" x 7.9" x 11"<br>(260 x 200 x 280 mm)                                                    |
| Weight                 | 2.4 lbs (1.1 kg)                                                                             | 6.8 lbs (3.1 kg)                                                                             | 8.6 lbs (3.9 kg)                                                                              |



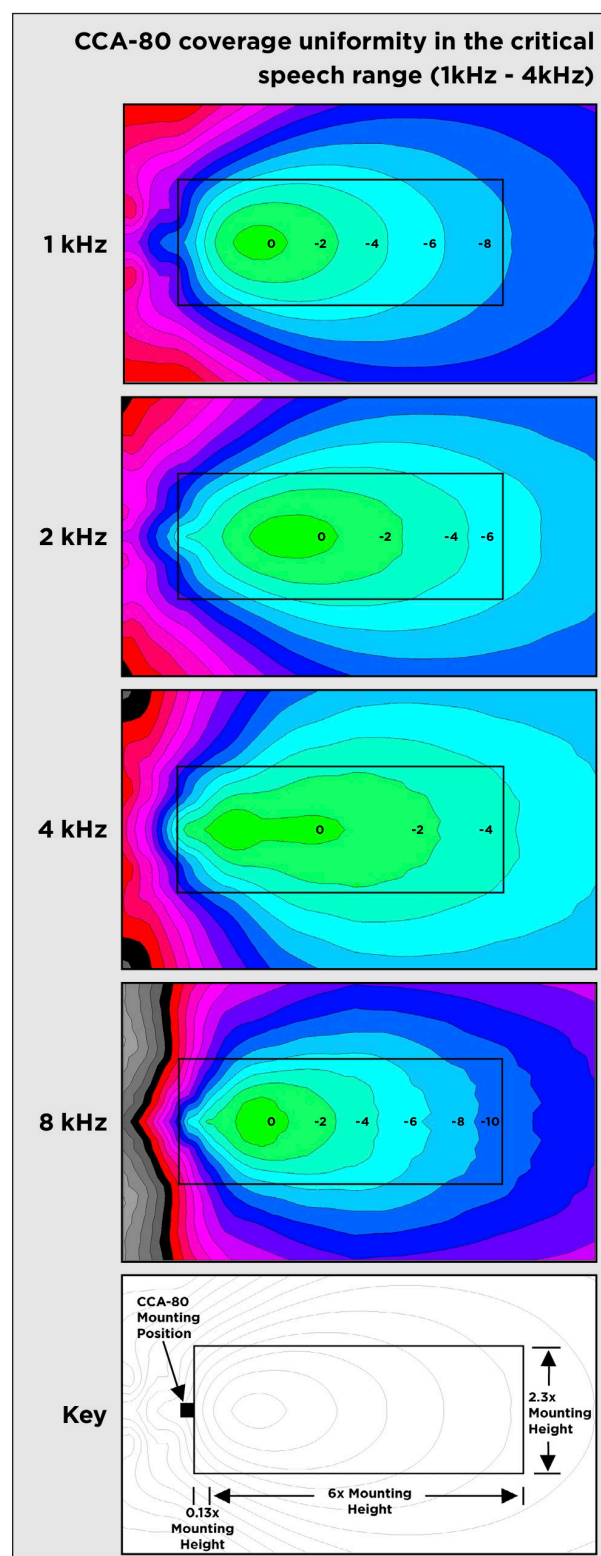
## AISLE LOUDSPEAKERS

Long, narrow reverberant spaces—supermarket aisles, warehouse corridors, airport concourses, and industrial walkways—are among the most acoustically challenging environments for any loudspeaker system. Standard loudspeakers create echoing and poor intelligibility, and broadcast acoustic energy on the ceiling and floor rather than toward the intended listeners below. The CCA-80 and CCA-80D aisle loudspeakers solve this problem with an asymmetric horn design engineered specifically for constant coverage in long, narrow spaces.

- Coverage distance of 6x mounting height provides exceptional reach per loudspeaker—the CCA-80 covers a floor area three times as large as a standard ceiling loudspeaker at the same height.
- Large horn mouth enables pattern control through the critical voice frequency range—producing exceptional speech intelligibility even in highly reverberant industrial or retail environments.
- Full-range concentric triaxial driver design (LF, MF, HF) maximizes coherence and intelligibility—a level of driver sophistication not found in competing aisle speaker designs.
- 70V / 100V and low-impedance operation—compatible with any commercial audio system.



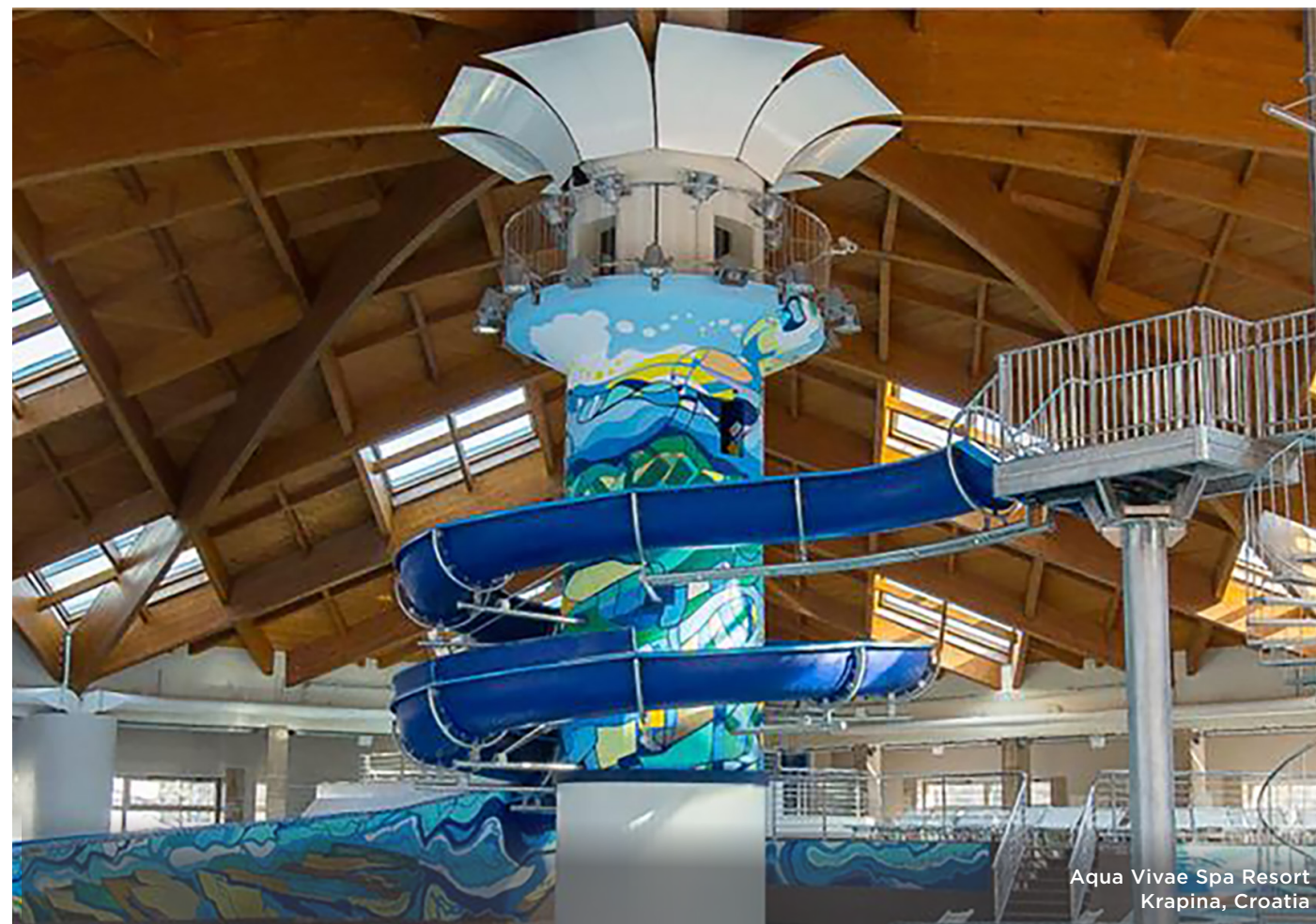
The CCA-80 delivers even coverage throughout its throw distance.



## HORNS & MUSIC PROJECTORS

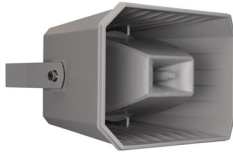
High-output, long-throw voice and signal projection for warehouses, factories, outdoor parking areas, schoolyards, and high-noise commercial environments.

- H10/H20/H30LT compression horn series for increasing output and throw distance requirements.
- MPLT62 music projector delivers full-range background music audio quality—not just voice-range—in a compact, cost-effective package.
- Powder-coated aluminum or stainless-steel mounting brackets included.
- IP66 rated for outdoor use.





COMMERCIAL LOUDSPEAKERS: HORNS & MUSIC PROJECTORS

|                        |                                                                                          |                                                                                           |                                                                                              |                                                                                               |                                                                                                                  |                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|                        | <br>H10 | <br>H20 | <br>H30LT | <br>MPLT62 | <br>CCA-80                    | <br>CCA-80D                   |
|                        | HORNS & MUSIC PROJECTORS                                                                 |                                                                                           |                                                                                              |                                                                                               | AISLE LOUDSPEAKERS                                                                                               |                                                                                                                  |
| Loudspeakers           | Compact compression horn loudspeaker                                                     | Compression horn loudspeaker                                                              | Long throw compression horn loudspeaker                                                      | Two-way 6.5-inch long throw music projector                                                   | Three-way full range constant coverage aisle loudspeaker                                                         | Three-way full range constant coverage aisle loudspeaker                                                         |
| Drivers                | 1 x 1.4" voice coil compression driver                                                   | 1 x 1.4" voice coil compression driver                                                    | 1 x 1.6" voice coil compression driver                                                       | LF 1 x 6.5" coated HD<br>HF 1 x 1" horn driver                                                | LF 1 x 8" (203mm) Horn-loaded woofer<br>MR / HF 1 x 3" (60mm)<br>MR with coaxial 1 x 1" compression-loaded piezo | LF 1 x 8" (203mm) Horn-loaded woofer<br>MR / HF 1 x 3" (60mm)<br>MR with coaxial 1 x 1" compression-loaded piezo |
| Operating Range        | 530 Hz - 6.5 kHz                                                                         | 490 Hz - 6.7 kHz                                                                          | 450 Hz - 9.6 kHz                                                                             | 150 Hz - 20 kHz                                                                               | 115 Hz to 14 kHz                                                                                                 | 115 Hz to 14 kHz                                                                                                 |
| Sensitivity (1W/1m)    | 104 dB                                                                                   | 107 dB                                                                                    | 106 dB                                                                                       | 102 dB                                                                                        | 100 dB                                                                                                           | 100 dB                                                                                                           |
| Power Rating           | 10W cont.                                                                                | 20W cont.                                                                                 | 30W cont.                                                                                    | Refer to tap setting                                                                          | 50W cont.; 400W peak                                                                                             | 50W cont.; 400W peak                                                                                             |
| Max Output @1m         | 113 dB<br>125 dB Peak                                                                    | 118 dB<br>130 dB Peak                                                                     | 118 dB<br>130 dB Peak                                                                        | 115 dB<br>118 dB Peak                                                                         | 116 dB<br>128 dB peak                                                                                            | 116 dB<br>128 dB peak                                                                                            |
| Nominal Impedance      | 8Ω                                                                                       | 8Ω                                                                                        | 8Ω                                                                                           | n/a                                                                                           | 8 ohm or 70V/100V                                                                                                | 8 ohm or 70V/100V                                                                                                |
| Dispersion (H x V)     | 135° x 135°                                                                              | 85° x 85°                                                                                 | 60° x 75°                                                                                    | 95° x 125°                                                                                    | Constant coverage pattern<br>Coverage Distance: 6x Mounting Height Width:<br>2.3x Mounting Height                | Constant coverage pattern<br>Coverage Distance: 6x Mounting Height Width:<br>2.3x Mounting Height                |
| Transformer Taps       | 70V: 10W, 5W, 2.5W, 1.25W, 0.625W<br>100V: 10W, 5W, 2.5W, 1.25W                          | 70V: 20W, 10W, 5W, 2.5W, 1.25W<br>100V: 20W, 10W, 5W, 2.5W                                | 70V: 30W, 15W, 7.5W, 3.75W, 1.87W<br>100V: 30W, 15W, 7.5W, 3.75W                             | 70V: 62W, 32W, 16W, 8W, 4W<br>100V: 62W, 32W, 16W, 8W                                         | 70V: 50W, 25W, 12.5W, 6.3W<br>100V: 50W, 25W, 12.5W                                                              | 70V: 50W, 25W, 12.5W, 6.3W<br>100V: 50W, 25W, 12.5W                                                              |
| Environmental          | IP66                                                                                     | IP66                                                                                      | IP66                                                                                         | IP66                                                                                          | Indoor Only                                                                                                      | Indoor Only                                                                                                      |
| RAL Color              | Grey RAL 9006                                                                            | Grey RAL 9006                                                                             | Grey RAL 9006                                                                                | Grey RAL 9006                                                                                 | n/a                                                                                                              | n/a                                                                                                              |
| Dimensions (H x W x D) | 5.5" x 5.5" x 7.6"<br>(140 x 140 x 193 mm)                                               | 7.9" x 7.9" x 9.1"<br>(200 x 200 x 230 mm)                                                | 8.2" x 11.3" x 11.4<br>(207 x 286 x 288 mm)                                                  | 10.3" x 14.2" x 11.5"<br>(261 x 360 x 293 mm)                                                 | 15.6" x 14.8" x 19.6"<br>(396 x 377 x 499 mm)                                                                    | 41" x 15.5" x 21.7"<br>(1043 x 393 x 550 mm)                                                                     |
| Weight                 | 2.6 lbs (1.2 kg)                                                                         | 3.15 lbs (1.4 kg)                                                                         | 4.85 lb (2.2 kg)                                                                             | 10.75 lbs (4.9 kg)                                                                            | CCA-80: 31.9 lbs (14.5 kg)                                                                                       | 70 lbs (31.8 kg)                                                                                                 |

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



EN54-24 CERTIFIED LOUDSPEAKERS

EN54-24 certification is legally required in many markets for loudspeakers used in fire alarm and emergency voice evacuation systems. The EN54-24 range covers every common loudspeaker form factor, ensuring that architects and system designers can specify the right loudspeaker shape for any space without compromising life-safety compliance.

- Budget-oriented solutions designed for background music, paging, and voice alarm evacuation systems in facilities where cost control is essential.
- Equipped with ceramic loudspeaker line connector blocks and thermal fuses—the specific safety components mandated by EN54-24 for fire alarm system compliance.
- Ideal loudspeaker matches for the Biamp Vocia EN54-16 certified voice communication solution.

EN54-24 CM Series (Ceiling Mount)

- In-ceiling installation for standard commercial spaces.
- Maintains the clean ceiling aesthetic of non-life-safety applications while meeting full EN54-24 compliance.
- Budget friendly loudspeakers for paging, voice alarm and background music.
- Equipped with a ceramic loudspeaker line connector block, thermal fuse and metal fire dome.



EN54-24 SM6 Series (Surface Mount)

- Surface-mount models for paging, background music, and evacuation systems in public buildings, supermarkets, and schools.
- Available in ultra-robust, full metal, vandal-proof construction (EN-SMS6MT6) for high-risk public environments where speaker damage or tampering is a concern.



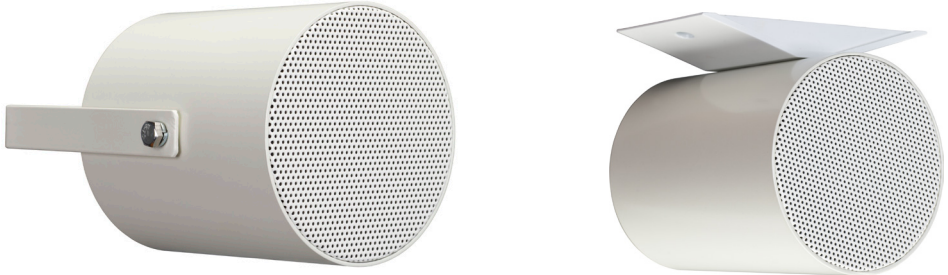
EN54-24 Horn Series

- Weatherproof horn loudspeakers for outdoor life-safety applications—covered car parks, loading docks, building perimeters, and outdoor gathering areas.
- Stainless-steel installation bracket for permanent, corrosion-resistant indoor or outdoor mounting.
- IP66 rated.



EN54-24 Music Projector Series

- Compact, stylish EN54-24 certified sound projectors for corridors, transportation platforms, outdoor shopping centers, and open-air parking areas where both aesthetics and compliance matter.
- Bi-directional model provides coverage in both directions from a single unit—reducing installation cost in long corridor and aisle applications.
- IP65 (EN-MP5T20) and IP54 (EN-MPBD5T10) rated.



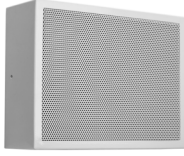
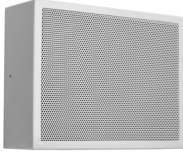
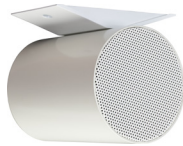
EN54-24 Sphere Series (Pendant)

- Pendant loudspeakers with EN54-24 certification deliver wide coverage in atria, lobbies, and large open spaces.
- Contemporary spherical design integrates naturally into architectural spaces where traditional horn or surface-mount loudspeakers would be visually unappealing.
- Equipped with a ceramic speaker line connector block and thermal fuse.





COMMERCIAL LOUDSPEAKERS: EN54-24\*

|                                       |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|---------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                       |  |  |  |  |  |  |  |  |  |  |
|                                       | EN-CM5T6                                                                          | EN-CM6T6                                                                          | EN-SM6T10                                                                          | EN-SMS6T6                                                                           | EN-SMS6MT6                                                                          | EN-SPH5T16                                                                          | EN-H10                                                                              | EN-H15                                                                              | EN-MP5T20                                                                           | EN-MPBD5T10                                                                         |
| Loudspeaker Type                      | 5.25-inch ceiling loudspeaker                                                     | 6.5-inch ceiling loudspeaker                                                      | 6.5-inch surface mount loudspeaker                                                 | 6.5-inch surface mount loudspeaker                                                  | 6.5-inch surface mount loudspeaker                                                  | 5.25-inch spherical loudspeaker                                                     | Horn loudspeaker                                                                    | Horn loudspeaker                                                                    | Compact sound projector                                                             | Compact bi-directional sound projector                                              |
| Drivers                               | 5.25" coated paper cone woofer                                                    | 6.5" coated paper cone woofer                                                     | 6.5" paper cone woofer                                                             | 6.5" paper cone woofer                                                              | 6.5" paper cone woofer                                                              | 5.25" paper cone woofer                                                             | Compression driver                                                                  | Compression driver                                                                  | 5.25" coated paper cone woofer                                                      | 2 x 5.25" coated paper cone woofer                                                  |
| Operating Range                       | 320 Hz - 19 kHz                                                                   | 140 Hz - 24 kHz                                                                   | 200 Hz - 24 kHz                                                                    | 110 Hz - 15 kHz                                                                     | 100 Hz - 18 kHz                                                                     | 90 Hz - 17 kHz                                                                      | 370 Hz - 13 kHz                                                                     | 400 Hz - 12 kHz                                                                     | 120 Hz - 23 kHz                                                                     | 145 Hz - 17.5 kHz                                                                   |
| Sensitivity (1W/1m)                   | 93.5 dB                                                                           | 93.9 dB                                                                           | 93.8 dB                                                                            | 93.7 dB                                                                             | 93.7 dB                                                                             | 86.5 dB                                                                             | 98 dB                                                                               | 100.5 dB                                                                            | 92.1 dB                                                                             | 94 dB                                                                               |
| Power Rating                          | 6W                                                                                | 6W                                                                                | 10W                                                                                | 6W                                                                                  | 6W                                                                                  | 16W                                                                                 | 10W                                                                                 | 15W                                                                                 | 20W                                                                                 | 10W                                                                                 |
| Max Output @1m                        | 101.3 dB                                                                          | 101.7 dB                                                                          | 103.8 dB                                                                           | 102.4 dB                                                                            | 101.5 dB                                                                            | 98.5 dB                                                                             | 108 dB                                                                              | 112 dB                                                                              | 105.1 dB                                                                            | 104 dB                                                                              |
| Nominal Impedance                     | 8Ω                                                                                | 8Ω                                                                                | 8Ω                                                                                 | 8Ω                                                                                  | 8Ω                                                                                  | —                                                                                   | 20Ω                                                                                 | 15Ω                                                                                 | —                                                                                   | —                                                                                   |
| Dispersion                            | 180° x 180°                                                                       | 180° x 180°                                                                       | 180° x 180°                                                                        | 180° x 180°                                                                         | 180° x 180°                                                                         | 180° x 180°                                                                         | 180° x 180°                                                                         | 180° x 180°                                                                         | 180° x 180°                                                                         | 155° x 155°                                                                         |
| Transformer Taps                      | 100V: 6W, 3W, 1.5W                                                                | 100V: 6W, 3W, 1.5W                                                                | 100V: 10W, 6W, 3W, 1.5W                                                            | 100V: 6W, 3W, 1.5W                                                                  | 100V: 6W, 3W, 1.5W                                                                  | 100V: 16W, 8W, 4W                                                                   | 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                                                             |
| Environmental                         | IP50                                                                              | IP50                                                                              | IP21                                                                               | IP21                                                                                | IP21                                                                                | IP35                                                                                | IP66                                                                                | IP66                                                                                | IP65                                                                                | IP54                                                                                |
| RAL Color                             | White RAL 9010                                                                    | White RAL 9010                                                                    | White RAL 9010                                                                     | White RAL 9010                                                                      | White RAL 9010                                                                      | White RAL 9010                                                                      | Grey RAL 7035                                                                       | Grey RAL 7035                                                                       | White RAL 9010                                                                      | White RAL 9010                                                                      |
| Dimensions - Outside diameter x depth | 7" x 6.2" (180 x 158 mm)<br>Cutout: 6.8" (172 mm)                                 | 8.7" x 5.4" (220 x 137 mm)<br>Cutout: 7.8" (199 mm)                               | 6.7" x 3" (170 x 75 mm)                                                            | 7.6" x 10" x 3.2" (192 x 252 x 82 mm)                                               | 7.6" x 10" x 3.2" (192 x 252 x 82 mm)                                               | 7.3" x 6.2" (185 x 157 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)                                             |
| Weight                                | 2.78 lbs (1.27 kg)                                                                | 3.13 lbs (1.42 kg)                                                                | 2.87 lbs (1.3 kg)                                                                  | 3.97 lbs (1.8 kg)                                                                   | 4.63 lbs (2.1 kg)                                                                   | 3.53 lbs (1.6 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)                                                                  |
| Compliance                            | EN54-24 certified                                                                 | EN54-24 certified                                                                 | EN54-24 certified                                                                  | EN54-24 certified                                                                   | EN54-24 certified                                                                   | EN54-24 certified                                                                   | EN54-24 certified                                                                   | EN54-24 certified                                                                   | EN54-24 certified                                                                   | EN54-24 certified                                                                   |

\*Not stocked in US or CANADA. Call for details.



# AMPLIFIERS

Unmatched power distribution and system integration

Biamp amplifiers are engineered to complete every loudspeaker system in this catalog—from a single Desono conference room to a major performing arts venue. Beyond power delivery, Biamp amplifiers integrate DSP, network connectivity, and system management to reduce rack space, simplify installation, and provide centralized monitoring and control from a single manufacturer—one point of design, one point of support, one warranty.

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

Dante® is a registered trademark of Audinate Pty Ltd.



VOLTERA AMPLIFIED LOUDSPEAKER CONTROLLERS

Configurable by either Tesira or Biamp VenueTune software, networked Voltera® amplified loudspeaker controllers include an onboard DSP, sophisticated tools for tuning rooms, and other one-of-a-kind features that drive reliability and audio performance, as well as space and cost savings.



VOLTERA D SERIES

Voltera D Series amplified loudspeaker controllers feature an onboard DSP ideal for loudspeaker management in installed sound applications.

Voltera D 1200.4

- Four-channel amplified loudspeaker controller delivering 1200 watts total output power.



Voltera D 2400.4

- Four-channel amplified loudspeaker controller delivering 2400 watts total output power.



Voltera D 4800.4

- Four-channel amplified loudspeaker controller delivering 4800 watts total output power.



Voltera D 1200.8

- Eight-channel amplified loudspeaker controller delivering 1200 watts total output power.



Voltera D 2400.8

- Eight-channel amplified loudspeaker controller delivering 2400 watts total output power.



VOLTERA D M SERIES

Voltera D M series amplified loudspeaker controllers feature a a powerful loudspeaker controller, while also adding a fully programmable DSP onboard with enough headroom to handle even complex audio processing and distribution needs.

Voltera D 1200.2M

- Two-channel amplified loudspeaker controller delivering 1200 watts total output power.



Voltera D 2400.2M

- Two-channel amplified loudspeaker controller delivering 2400 watts total output power.



Voltera D 4800.2M

- Two-channel amplified loudspeaker controller delivering 4800 watts total output power.



Voltera D 600.4M

- Four-channel amplified loudspeaker controller delivering 600 watts total output power.



Voltera D 1200.4M

- Four-channel amplified loudspeaker controller delivering 1200 watts total output power.



Voltera D 2400.4M

- Four-channel amplified loudspeaker controller delivering 2400 watts total output power.



Voltera D 4800.4M

- Four-channel amplified loudspeaker controller delivering 4800 watts total output power.





VOLTERA A SERIES AMPLIFIERS

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

Includes mounting accessories for a variety of mounting options.

Voltera A 300.2

- Two-channel amplifier delivering 300 watts total output power

Voltera A 300.4

- Four-channel amplifier delivering 300 watts total output power

Voltera A 600.2

- Two-channel amplifier delivering 600 watts total output power

Voltera A 600.4

- Four-channel amplifier delivering 600 watts total output power



reddot winner 2023



TESIRA AMPLIFIERS

Designed as native components of the Tesira unified communications and audio platform, Tesira amplifiers provide seamless amplification for Tesira-based audio systems, from meeting rooms to entire campuses. Their AVB networking enables clean audio distribution without the audio quality compromises of analog cabling in complex conference environments.

- AVB-enabled amplifiers provide clean, network-based audio distribution—integrating directly into the Tesira ecosystem without additional converters or adapters
- Tesira AMP-450BP and AMP-450BP PoE+ models power Desono C-IC6 ceiling speakers directly from network infrastructure—eliminating dedicated audio wiring in technology-rich meeting rooms

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.





VOCIA AMPLIFIERS

Vocia amplifiers are specifically designed for life-safety and voice communication systems—applications where audio failure is simply not acceptable. Built around a decentralized architecture with no single point of failure, Vocia amplifiers ensure that emergency voice messages reach their audience even if individual system components fail.

- Decentralized architecture with no single point of failure ensures continuous audio operation even during component failures—a critical life-safety design principle not present in all competing voice evacuation amplifiers
- CobraNet-enabled for reliable, deterministic networked audio distribution across large campus-wide systems

Vocia VA-4300CV

- Digital networked four-channel amplifier capable of delivering audio power at 300W per channel.



Vocia VA-8150CV

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



Vocia VA-8600

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



Vocia VA-8600c

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



POWER AMPLIFIERS

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

AMP-A460H

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



AMP-D225H

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



CHAMP-4

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



PA2240BP

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



PA240P

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



REVAMP1120T

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



REVAMP1680\*

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





## REVAMP2060T

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

## REVAMP2120T

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

## REVAMP2150

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

## REVAMP2250\*

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

## REVAMP2600\*

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

## REVAMP4100

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

## REVAMP4120T

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

## REVAMP4240T

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

## REVAMP8250

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

\*Not available for sale in the US and Canada



## MIXER AMPLIFIERS

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

### MA30

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

### MA60

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

### MA65

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

### MA120

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

### MA240

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



## COMMUNITY AMPLIFIED LOUDSPEAKER CONTROLLERS

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

### ALC-404D

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

### ALC-1604D

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

### ALC-3202D

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





|                                | <br><b>TESIRA</b> | <br><b>VOLTERA A<br/>AMPLIFIERS</b> | <br><b>VOLTERA D ALCs</b> | <br><b>Voltera D M ALCs</b>                                   | <br><b>VOCIA</b> | <br><b>POWER<br/>AMPLIFIERS</b> | <br><b>MIXER<br/>AMPLIFIERS</b> | <br><b>ALC</b> |
|--------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Building Infrastructure</b> | XEL 1200.2<br>AMP-8175R<br>AMP-4175R                                                               | Voltera A 300.2<br>Voltera A 300.4<br>Voltera A 600.2<br>Voltera A 600.4                                             | Voltera D 1200.4<br>Voltera D 2400.4<br>Voltera D 1200.8<br>Voltera D 2400.8                               | Voltera D 1200.4M<br>Voltera D 2400.4M                                                                                                         | VA-2060e<br>VA-4030e<br>VA-4300CV<br>VA-8150CV<br>VA-8600                                          |                                                                                                                    |                                                                                                                    | ALC-404D<br>ALC-1604D                                                                             |
| <b>Commercial Space</b>        | AMP-A60H                                                                                           | Voltera A 300.2<br>Voltera A 300.4<br>Voltera A 600.2<br>Voltera A 600.4                                             | Voltera D 1200.4<br>Voltera D 1200.8<br>Voltera D 2400.8                                                   | Voltera D 600.4M<br>Voltera D 1200.2M<br>Voltera D 1200.4M                                                                                     |                                                                                                    | REVAMP1120T<br>REVAMP2060T<br>REVAMP2120T<br>REVAMP4240T                                                           | MA120<br>MA240                                                                                                     |                                                                                                   |
| <b>Conferencing</b>            | AMP-450BP<br>AMP-A460H                                                                             | Voltera A 300.2<br>Voltera A 300.4<br>Voltera A 600.2<br>Voltera A 600.4                                             |                                                                                                            |                                                                                                                                                |                                                                                                    | AMP-D225H<br>REVAMP2060T                                                                                           |                                                                                                                    |                                                                                                   |
| <b>Large Venues</b>            | XEL 1200.2                                                                                         |                                                                                                                      | Voltera D 1200.4<br>Voltera D 2400.4<br>Voltera D 4800.4<br>Voltera D 2400.8                               | Voltera D 2400.2M<br>Voltera D 4800.2M<br>Voltera D 1200.4M<br>Voltera D 2400.4M<br>Voltera D 4800.4M                                          |                                                                                                    |                                                                                                                    |                                                                                                                    | ALC-404D<br>ALC-1604D<br>ALC-3202D                                                                |
| <b>Paging</b>                  | XEL 1200.1<br>AMP-450P<br>AMP-4300R CV                                                             | Voltera A 300.2<br>Voltera A 300.4<br>Voltera A 600.2<br>Voltera A 600.4                                             | Voltera D 1200.4<br>Voltera D 1200.8<br>Voltera D 2400.8                                                   | Voltera D 600.4M<br>Voltera D 1200.2M<br>Voltera D 1200.4M                                                                                     | VA-4300CV<br>VA-8150CV<br>VA-8600                                                                  | REVAMP4120T<br>AMP-A460H                                                                                           | MA30<br>MA60                                                                                                       | ALC-404D                                                                                          |
| <b>Presentation Space</b>      | XEL 1200.1<br>XEL 1200.2                                                                           |                                                                                                                      | Voltera D 1200.4<br>Voltera D 2400.4<br>Voltera D 4800.4<br>Voltera D 2400.8                               | Voltera D 1200.2M<br>Voltera D 2400.2M<br>Voltera D 4800.2M<br>Voltera D 600.4M<br>Voltera D 1200.4M<br>Voltera D 2400.4M<br>Voltera D 4800.4M |                                                                                                    | REVAMP2150<br>REVAMP4100<br>REVAMP8250<br>REVAMP4240T                                                              | MA120<br>MA240                                                                                                     | ALC-404D                                                                                          |

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



## NOTES



## NOTES

## NOTES





**biamp.**

9300 SW Gemini Drive  
Beaverton, OR 97008 USA  
Phone: +1 503.641.7287  
[biamp.com/loudspeakers](http://biamp.com/loudspeakers)

©2026 Biamp Systems