

Can ENTASYS 200 be bi-amplified?

No. ENTASYS 200 is not intended to be bi-amplified. The internal crossovers are highly sophisticated, thereby mitigating the need to use two amplifier channels. This keeps the cost of an ENTASYS 200 system to a minimum without sacrificing performance.

Can ENTASYS 200 be used with constant-voltage amplification, and what is required?

Yes. All ENTASYS 200 models are supplied with built-in 70V/100V *autoformers* as standard equipment – nothing else needs to be added for constant voltage usage. Each model has up to five selectable power levels that are appropriately scaled for their size and power handling.

An *autoformer* is inherently more efficient and lower in distortion than a common 70V or 100V *transformer*, while also exhibiting superior LF response characteristics for its size and weight.

Does ENTASYS 200 have a Music/Speech switch?

No. ENTASYS 200 loudspeakers have superior projection and intelligibility for speech, while maintaining a flat frequency response for music. There is no need to artificially boost the midrange in an ENTASYS 200 column to improve speech intelligibility; it is already built in.

Do the ENT212 and ENT220 maintain a constant beamwidth?

The ENT212 and ENT220 borrow techniques from the original ENTASYS ENT-FR three-way full-range column line source to physically array the drivers, maintaining a very consistent beamwidth in both the horizontal and vertical planes. The use of separate LF and HF drivers allow ENTASYS 200 columns to avoid the horizontal beamwidth narrowing in the upper frequencies that is impossible to control when only a single type of full-range drivers is used. The physical “ENTASYS” or convex curve of the HF driver array maintains a constant

vertical beamwidth to the highest audible frequencies, while the use of multi-way, frequency-shaded crossovers for the LF drivers allows the ENT212 and ENT220 to maintain a consistent beamwidth in the LF and midrange frequency bands.

Can I change the vertical beamwidth of an ENTASYS 200 Series loudspeaker?

No. The beamwidth of each ENTASYS 200 loudspeaker is fixed. However, there are multiple models to choose from. The larger loudspeakers have the narrowest beamwidth, while the smaller units have the widest. There is an ENTASYS 200 Series model to suit almost every application.

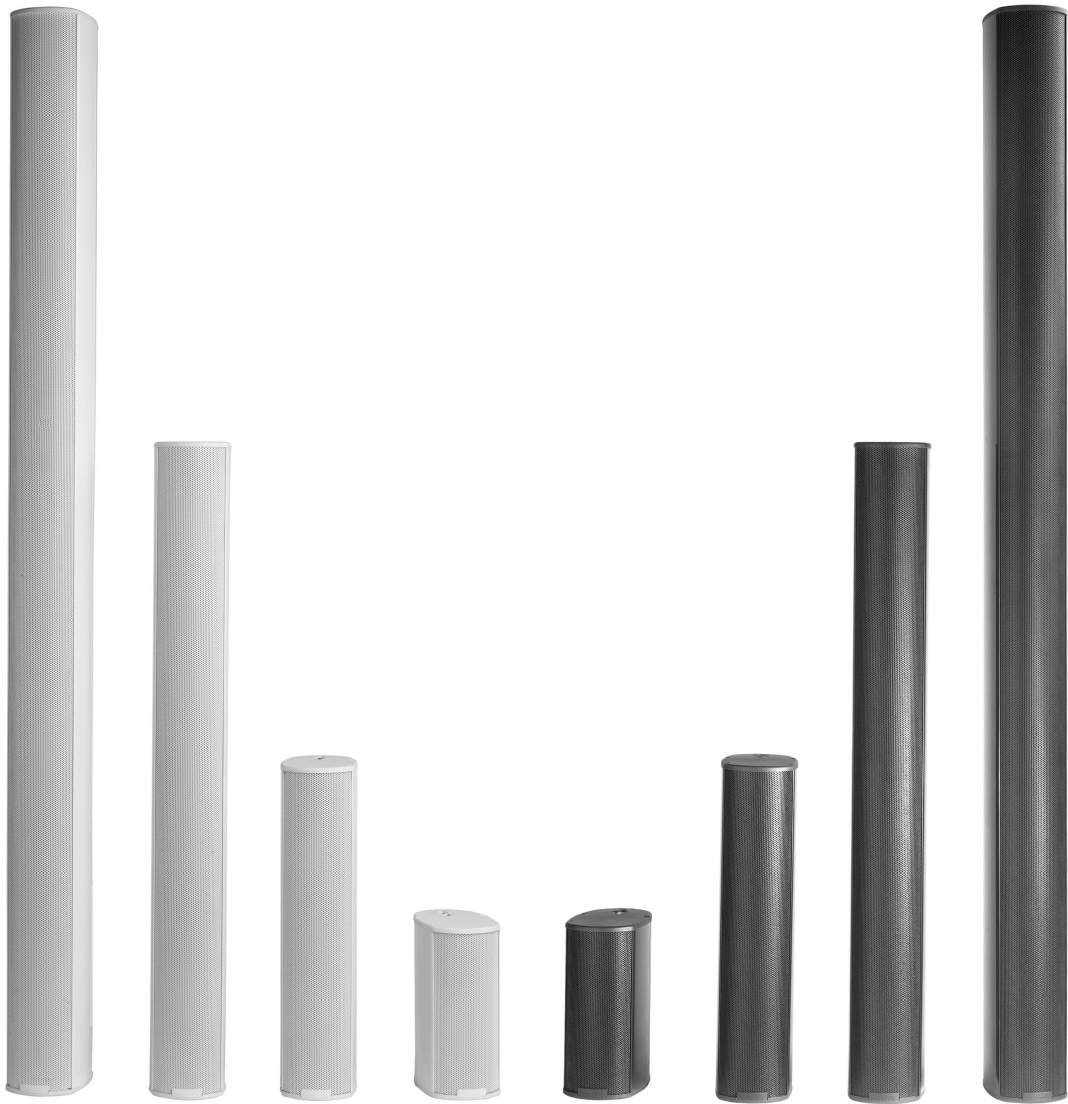
Is it difficult to set up and aim an ENTASYS 200 loudspeaker?

The included pan-tilt mounting and aiming bracket makes setup simple, quick, and efficient. The vertical tilt can be adjusted in half-degree increments to allow for precise focusing of the vertical beam as needed, avoiding harmful reflections from walls, ceilings, and other reflective surfaces that negatively impact intelligibility and musicality. The included bracket allows for a maximum of 10.8° downward tilt in the ENT212 and 220. The ENT203 and 206 have a maximum down-tilt of 14° using the included bracket. Please refer to the ENTASYS 200 Series manual on our website or contact our Technical Applications Group (TAG) at tagteam@communitypro.com for more information.

Model	ENT203	ENT206	ENT212	ENT220
LF Components	(3) 80mm long excursion mylar drivers	(6) 80mm long excursion mylar drivers	(12) 80mm long excursion mylar drivers	(20) 80mm long excursion mylar drivers
HF Components	(1) 3-element CRE	(2) 3-element CRE	(4) 3-element CRE	(4) 3-element CRE
Frequency Range (-10dB)	150 to 20 kHz	120 to 20 kHz	100 to 20 kHz	80 to 20 kHz
Impedance	16 ohms	8 ohms	8 ohms	8 ohms
Power Handling	75W RMS, 190W PGM	150W RMS, 375W PGM	325W RMS, 800W PGM	500W RMS, 1250W PGM
Autoformer Taps (W)	30W, 15W, 7.5W, 3.75W, 1.88W	60W, 30W, 15W, 7.5W, 3.75W	120W, 60W, 30W, 15W, 7.5W	120W, 60W, 30W, 15W, 7.5W
Sensitivity (1W/1m)	92 dB	93 dB	96 dB	97 dB
Max Output (1m)	111 dB	115 dB	121 dB	125 dB
Vertical Dispersion	40° (2 kHz - 16 kHz ±15°)	20° (2 kHz - 16 kHz ±10°)	15° (2 kHz - 16 kHz ±10°)	15° (2 kHz - 16 kHz ±10°)
Horizontal Dispersion	140° (1 kHz - 10 kHz ±20°)	140° (1 kHz - 10 kHz ±20°)	140° (1 kHz - 10 kHz ±20°)	140° (1 kHz - 10 kHz ±20°)
Dimensions (H x W x D)	10.3" x 4.62" x 7.47" 262mm x 117mm x 189mm	19.9" x 4.62" x 7.47" 506mm x 117mm x 189mm	39.1" x 4.62" x 7.47" 993mm x 117mm x 189mm	64.6 x 4.62 x 7.47 1643mm x 117mm x 189mm
Weight	9 lbs (4.1 kg)	15 lbs (6.8 kg)	28 lbs (12.7 kg)	41 lbs (18.6 kg)

ENTASYS 200

VERSATILE TWO-WAY COLUMN ARRAY SYSTEMS



INTRODUCTION AND FREQUENTLY ASKED QUESTIONS



INTRODUCTION

Community's ENTASYS 200 Series is a family of four high performance column line-array loudspeakers that redefine the performance-to-price ratio of this increasingly important product category. Offering numerous features and benefits not found elsewhere, ENTASYS 200 loudspeakers are designed to serve a very wide variety of applications that range from classrooms and courtrooms, to music venues and houses of worship. The smaller models are ideal for flanking video screens in public gathering spaces, while the larger models can be mated with subwoofers for full-range, full-volume music reproduction. In all cases, ENTASYS 200 Series column loudspeakers easily tame difficult acoustical environments, providing audio only where it's needed, by virtue of their well-defined dispersion patterns. Following in the well-known tradition of Community products, all models in the ENTASYS 200 Series are weather-resistant for trouble-free usage right out of the box, even under conditions of direct outdoor exposure.

FREQUENTLY ASKED QUESTIONS

What are the benefits of the “two-way” design employed in ENTASYS 200 loudspeakers?

The ENTASYS 200 Series utilizes separate LF and HF drivers, crossed-over by sophisticated internal circuitry that optimizes frequency response and directivity. All models feature 80mm low frequency drivers with a separate Compact Ribbon Emulator (CRE) high frequency array.

Many competing column loudspeakers use only a single type of cone driver, instead of utilizing dedicated high frequency drivers like in ENTASYS 200. This “one-way” design used by competitors cannot be expected to accurately reproduce the full spectrum of audio or maintain pattern control in the upper frequencies. Additional benefits that result from the “two-way” design of the ENTASYS 200 Series are higher sensitivity, flatter power response, and excellent sonic properties that don't sound dull or band-limited with music.

Should subwoofers be used with ENTASYS 200?

This depends on the specific application and the musical bandwidth that is desired. If ENTASYS 200 loudspeakers are being used for voice-only applications, for background music, or as delay fill speakers, then the answer is likely “no.” The loudspeakers will perform well in these applications without additional low frequency support.

The ENT212 and ENT220 can often perform well for full-range music reproduction without a subwoofer in small and medium size venues where low frequency extension and/or high volume is not required. For higher volume applications, and/or where full bandwidth music is required, it is recommended that a subwoofer be added, just as in any system utilizing smaller traditional “wood box” enclosures. Keep in mind that in some highly reverberant rooms, the addition of subwoofers can be detrimental to overall intelligibility and clarity.

If low frequency extension is required with ENT203 or ENT206 in a distributed system, Community offers a number of compact and low-profile subwoofer systems, including the DS8SUB and VLF208LV.

In what applications would I use each of the ENTASYS 200 models?

Each ENTASYS 200 model is versatile and can be used in many applications, limited only by the imagination of the system designer and the size of the space that needs to be covered. Here are some typical examples:

ENT203

- Music reproduction or reinforcement in a small restaurant or bar
- Flanking a video screen in a sports bar or other public gathering space
- Classroom or courtroom sound reinforcement
- A retail space that uses music as a key part of its sales program
- Delay fill to augment larger FOH systems in theaters and houses of worship
- Anywhere else that a typical two-way “point and shoot” loudspeaker with 4-inch to 6-inch LF drivers and a tweeter might be used
- Anywhere that a distributed surface mount loudspeaker system might be used

ENT206

- Corporate and hotel meeting rooms
- Distributed systems in wide, fan-shaped churches
- Lecture halls
- Delay fill to augment larger FOH systems in theaters and houses of worship
- Anywhere else that a typical two-way “point and shoot” loudspeaker with 6-inch to 8-inch LF drivers and a tweeter would be used

ENT212

- Small and mid-sized churches (with subwoofers where appropriate – see above)
- Scholastic auditoriums up to approximately 200 seats
- Jazz and other music clubs
- Portable speech or music events - indoors or out - with subwoofers added to enhance musical depth as needed
- Anywhere else that a typical two-way “point and shoot” loudspeaker with 10-inch to 12-inch LF drivers and an HF horn would be used

ENT220

- Larger churches of approximately 300 seats - especially those that are deeper than they are wide
- Larger music clubs (with subwoofers added), and perhaps two to four ENT203 loudspeakers on delay for rear-of-venue augmentation
- Mid-sized theaters, along with ENT203 or ENT206 for balcony delay
- Mid-to-large size auditoriums
- Anywhere else that a typical two-way “point and shoot” loudspeaker with 12-inch to 15-inch LF drivers and an HF horn would be used

When should I use Community's original ENTASYS ENT-FR and ENT-LF loudspeakers?

Like the original ENT-FR and ENT-LF, our new ENTASYS 200 column loudspeakers provide high performance, exceptional pattern control, and legendary Community weather-resistance.

ENTASYS 200 is lighter in weight than the original ENTASYS columns and are scaled to fit small to upper mid-sized applications. ENTASYS 200 loudspeakers also require no pre-configuration and operate as stand-alone systems, whereas the original ENT-FR and LF system is modular in nature. Community's original ENTASYS is the right choice for higher level applications that can benefit from the performance of a true three-way column. Original ENTASYS columns can be stacked and arrayed with separate ENT-LF columns for improved low frequency pattern control and higher output levels.

Do I need to purchase separate mounting brackets?

The ENT203, ENT206, ENT212 and ENT220 each include its own appropriately sized pan-tilt mounting bracket.

An *optional* mounting bracket sold separately is the E200-UMK (Universal Mounting Kit). This bracket is designed to flush mount a single enclosure tightly against a wall or ceiling, or to accommodate third-party mounting devices such as OmniMount® and similar products.

Another optional accessory is the E200-SAK (Stand Adapter Kit). By attaching the E200-SAK accessory to the rear of the ENTASYS 200 enclosure, both a stand socket mount and a convenient carrying handle are created. The stand mount fitting accepts 1-3/8" diameter loudspeaker support stands.

Do ENTASYS 200 columns have safety rigging points?

Yes. All ENTASYS 200 models come equipped with a safety eyebolt permanently mounted into the top of the enclosure.

When would I use ENTASYS 200 with the original ENTASYS system?

ENTASYS 200 models, particularly the smaller ENT203 and ENT206, are ideally suited to augment and support the larger and more powerful original ENT-FR and ENT-LF ENTASYS system. For example, an ENT203 or ENT206 could be used for rear delay fill in a large church, theater or auditorium. The complementary appearance of the ENT-FR, ENT-LF and ENTASYS 200 columns permits the visual theme to remain consistent from one area of the venue to another.

Is there an LF extension column for ENTASYS 200?

No. Each ENTASYS 200 system is designed for a specific application. Use whichever column height is appropriate. Unlike the original ENT-FR, a specific LF extension column is not part of the ENT-200 Series.

Is ENTASYS 200 suitable for Outdoor Direct Exposure?

Yes. ENTASYS 200 was conceived and designed from the start to be a no-compromise solution for outdoor applications requiring the appearance and performance of an architecturally

appealing and unobtrusive column loudspeaker. As a leader in weather-resistant loudspeakers, Community has applied our considerable knowledge of all-weather technology into ENTASYS 200 so that it can be used outdoors, or indoors, right out of the box. Thanks to the extensive use of polymer components in the enclosure, driver frames and driver diaphragms, ENTASYS 200 is as well suited for Outdoor Direct Exposure use as Community's other industry-leading all-weather systems. All ENTASYS 200 loudspeakers are constructed in accordance with IEC60529 to have a conservative IP Rating of IP54W when installed with a minimum downward tilt angle of two degrees.

What makes ENTASYS 200 weather-resistant?

Each ENTASYS 200 enclosure is constructed of a premium grade, heat stabilized and UV stabilized polymer that is highly resistant to inclement weather conditions. Many of the features and processes used in Community's industry-leading R-Series and WET Series weather-resistant loudspeakers have been employed in ENTASYS 200:

- The grille and mounting bracket are protected with Community's proprietary dual-layer powder coating process
- All exposed fasteners are stainless steel.
- The internal crossover and shading circuits are protected from the elements with our Envirotech™ coating that seals sensitive electronic components against the effects of moisture and corrosive or acidic airborne contaminants.
- Our proprietary drivers are primarily constructed using synthetic diaphragms and non-metallic housings.
- Non-synthetic and exposed metallic parts are likewise coated to resist moisture and contaminants
- A weather-tight connector cover is provided as standard equipment

Are ENTASYS 200 models powered? Are they electronically steerable?

No. ENTASYS 200 is neither self-powered nor electronically steerable. The passive (non-amplified) design of ENTASYS 200 provides a high performance, versatile product line that is much more affordable than typical steerable columns. The passive design also makes ENTASYS 200 more usable in outdoor applications.

Does ENTASYS 200 have enough power to be used where I might normally select point-and-shoot loudspeakers?

For many applications the answer is yes. Although ENTASYS 200 is not designed for high level rock or dance music, an ENTASYS 200 system can certainly fill many requirements that are usually associated with point-and-shoot loudspeakers, while exhibiting much greater control of dispersion. The narrow vertical pattern of ENTASYS 200 columns makes them suitable for use in highly reverberant environments, where the use of point-and-shoot loudspeakers often fails to achieve the required level of intelligibility due to their lower Directivity Index (DI).

Can I use ENTASYS 200 in portable applications?

Yes. Community offers an optional stand socket accessory (Model No. E200-SAK) for use with ENTASYS 200 columns that doubles as a carrying handle. The stand mount fitting accepts 1 -3/8" diameter loudspeaker mounting poles and tripod support stands. ENTASYS 200 is perfect for use in meeting rooms, at weddings, and for public gatherings of all kinds. With the addition of subwoofers, like Community's portable VLF208LV-BP, even the smaller ENT203 and ENT206 are capable of providing impressive full-range musical reproduction.