

Community Community

Recommended Effective Operating Distances

Reference: 96 dB

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	Model	Description	Feet 3	30 4	12 19	50 bí	60 /0 18 21	24	27	00L 08	150 46	160 49	170	180 55	190 58	200	710	027	70	73	250	300+ 90+
	R.15COAX	2-way, Coaxial; LF: 1 × 6", HF: 1 × 1"	1 / 10	Ē	 	 	 	<u> </u>	<u> </u>	<u> </u>	ļ	<u> </u>	<u> </u>			<u> </u>	 	<u>†</u>	†·····	 		
	R.35COAX*	2-way, Coaxial; LF: 1 x 10", HF: 1 x 1.25"		52	52' / 16m	E					: :											
	R.25-94Z	2-way, LF:1×8", HF:1×1"		545	49' / 15m	E																
	R.35-3896*	3-way; LF: 1 × 8", MF: 2 × 2.35", HF: 1 × 1"					83.	' / 25m	_						•							
	R.5COAX66/99**	2-way, LF:1×12", HF:1×1"			99	60' / 18m	E		<u>.</u> 	: : : :	: : : :		· ·		•				<u>.</u>	: : : : :		:
	R.5-66/94/992**	Z-way, LF:1×12", HF:1×1"						,06	90' / 27m	:	: : : :		: : :		•	: :			· · · · · · · · · · · · · · · · · · ·	: : : :		:
	R1-64,66,94**	Z-way, LF: 1 x 12", HF: 1 x 1"								148'	148' / 45m		: : : :		••••••••••••••••••••••••••••••••••••••	• · · · · · · · · · · · · · · · · · · ·			·	: : : : :		
SEBIES	R.SHP	3-way; LF: 1 × 12", MF: 1 × 2"; HF: 1 × 1"								150'	150' / 46m						•					:
	R.5-66/96MAX	2-way; LF: 1×12", HF: 1×1.4"								150'	150' / 46m											
	R2-64/66/94MAX	3-way; LF: 2 × 12", MF: 1 × 2"; HF: 1 × 1.4"													205' / 61m	61m						
	R2-52Z	3-way; LF: 2 × 12", MF: 2 × 2"; HF: 1 × 1"												.,	205' / 61m	61m						
	R2-52MAX	3-way; LF: 2 × 12", MF: 2 × 2"; HF: 1 × 1"																	2.	77 / 72	77m	
	R2-77/94/694/474**	3-way; LF: 2 × 12", MF: 1 × 2"; HF: 1 × 1"									157' /	157' / 48m										
	R6-51BIAMP	3-way; LF: 6 × 12", MF: 6 × 2"; HF: 6 × 1"																		452' /	2' / 138m	8m
	R6-51MAX	3-way; LF: 6 × 12", MF: 6 × 2"; HF: 6 × 1"																		622'	622' / 189.6m	6m
S 8	R6-BASSHORN	1-way; LF: 6 x 12"																		45.	452' / 138m	8m
ns	R6-BHMAX	1-way; LF: 6 x 12"																		622'	/ 189.6m	6m
	RMG-200A	1-way; MF:1×2"																2,	240' / 73m	.3m	:::::::	
ΝΟΙCΕ	R.5-V2200	1-way; MF: 2 × 2"																		Ð	315' / 9	/ 96m
	RSH-462 1-way	1-way; MF: 4 x 2"																		71.	715' / 218m	8m

96 dB SPL with no atmospheric effects * Voicing switch in Music position ** Average Max SPL considered or Max SPL of the lowest output device

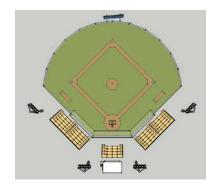
Contents

Football



Football Field	'Press Box'	.Page 4
Football Field	'Lighting Poles'	. Page 5
ootball Field	'Scoreboard'	.Page 6

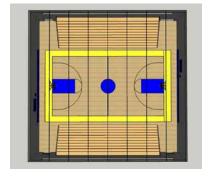
Baseball



Soccer



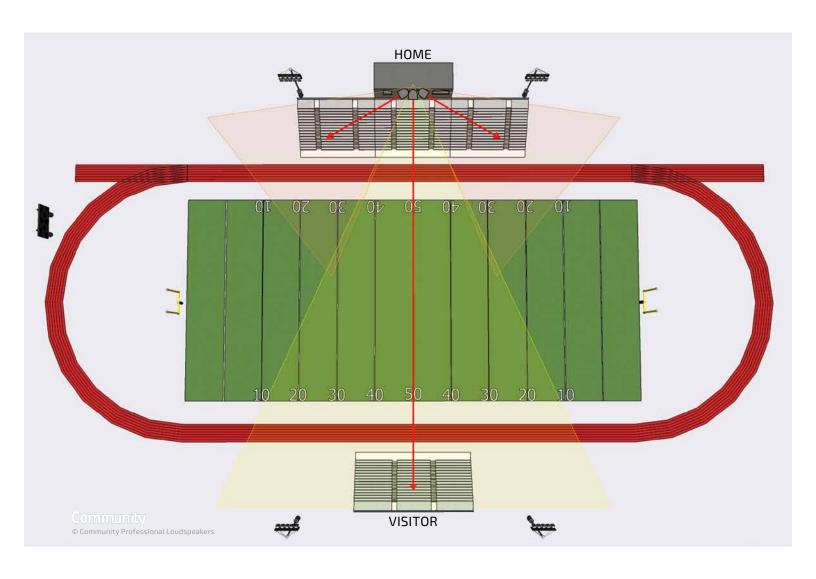
Basketball



Basketball Court 'General Coverage'Page 12
Basketball Court 'Enhanced Court Coverage'Page 13

Product Specifications	Page 14
Technical Considerations	Page 15

Football Field 'Press Box'



Installation Description:

The loudspeakers are mounted on the roof of a press box, preferably at least 16 feet above the highest row of seating.

The bleachers are assumed to be 20 feet tall at the back row.

An array of two to four loudspeakers to address the home seating, plus an R2-52Z or R2-52MAX in the center to provide crossfield coverage.

Option A:

One (1) R2-52MAX (visitor coverage) **Three (3) R.5-96MAX** (home coverage)

High SPL and best musicality. Addresses Moderate SPL for use in venues larger bleacher areas while projecting uniformly over farther distances.

One (1) ALC-1604D*

Option B:

One (1) R2-52Z (visitor coverage) **Two (2) R.5-94Z** (home coverage)

with shorter bleachers (i.e., the length of the bleachers does not exceed the 30-30 yard line).

One (1) ALC-404D*

Option C:

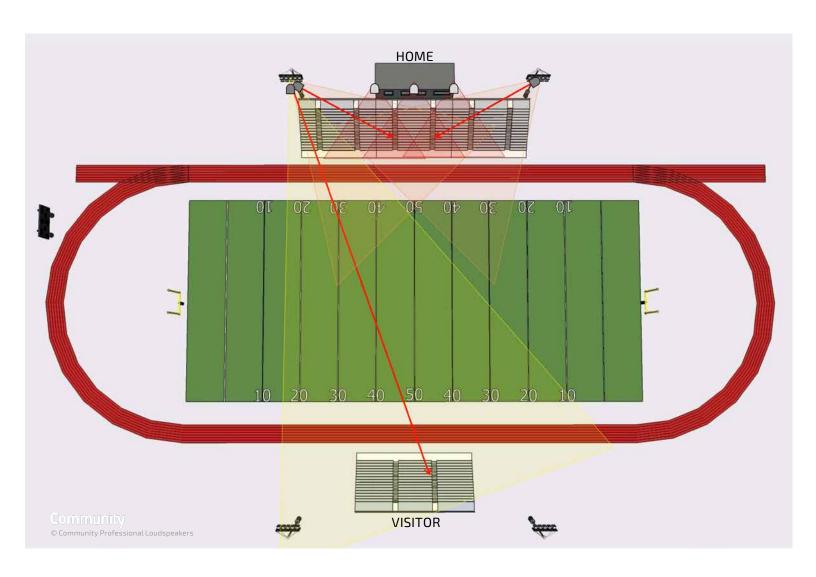
One (1) R2-52Z (visitor coverage) Two (2) R2-94Z (home coverage) **Two (2) R.5-94Z** (center of home)

Very articulate three-way performance and enhanced LF to the home seating section, while providing more even coverage to wide sections of the home stands.

One (1) ALC-1604D*

^{*} Amplified Loudspeaker Controller - minimum recommended for low impedance operation with channels maximized.

Football Field 'Lighting Poles'



Installation Description:

The loudspeakers are pole mounted at least 25 feet above the back row.

The bleachers are assumed to be 20 feet tall.

Because the loudspeakers are mounted at a higher point, this system provides more even home seating coverage than the Football Field 'Press Box' design.

A single R2-52Z or R2-52MAX provides crossfield coverage.

Additional matching compact loudspeakers on the press box (Extra Coverage- red triangles) will help reduce artificial echoes. This can be added to either Option A or B.

Option A:

One (1) R2-52MAX (visitor coverage) Two (2) R.5-96MAX (home coverage)

Higher SPL and enhanced musicality for venues where the light poles are up to 240 feet apart.

One (1) ALC-1604D*

Option B:

One (1) R2-52Z (visitor coverage)
Two (2) R.5-94Z (home coverage)

Moderate SPL for use in venues with shorter bleachers and light poles up to 180 feet apart.

One (1) ALC-404D*

Extra Coverage:

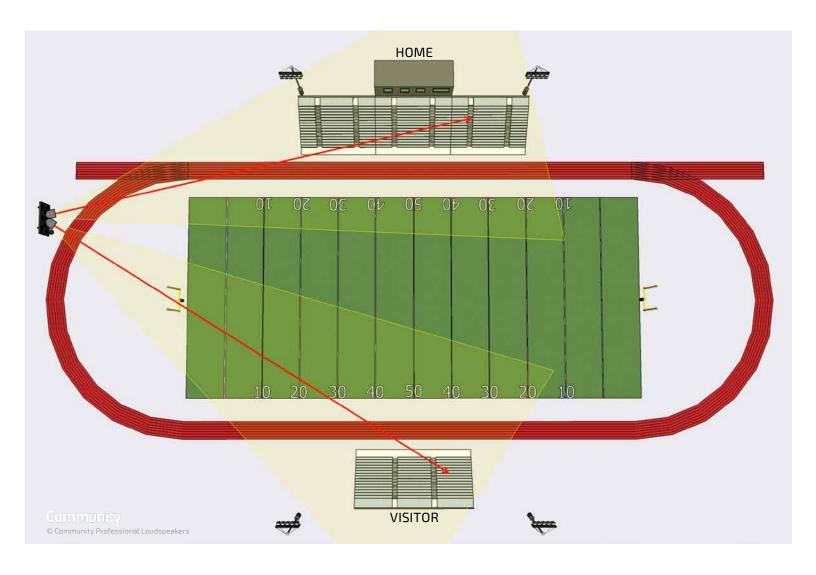
Three or Four (3-4) R.35-3896 (additional home stands coverage)

Additional signal-delayed coverage of the home stands helps reduce artificial echoes.

One (1) ALC-404D*

^{*} Amplified Loudspeaker Controller - minimum recommended for low impedance operation with channels maximized.

Football Field 'Scoreboard'



Installation Description:

R2-52Z or R2-52MAX loudspeakers are mounted to the scoreboard 25 feet above the ground.

The bleachers are assumed to be 20 feet tall at the back row.

Atmospheric effects such as wind, diffraction, and excess high frequency attenuation are more likely to be noticed in this design.

If the length of the home or visitor bleachers exceeds the 20-20 yard line, additional R2-52Z loudspeakers should strongly be considered for one or both sides.

Option A:

Two (2) R2-52MAX

Best coverage for shorter bleacher sections from a scoreboard location.

One (1) ALC-1604D*

Option B:

Two (2) R2-52Z

Good coverage for shorter bleacher sections from a scoreboard location.

One (1) ALC-404D*

Option C:

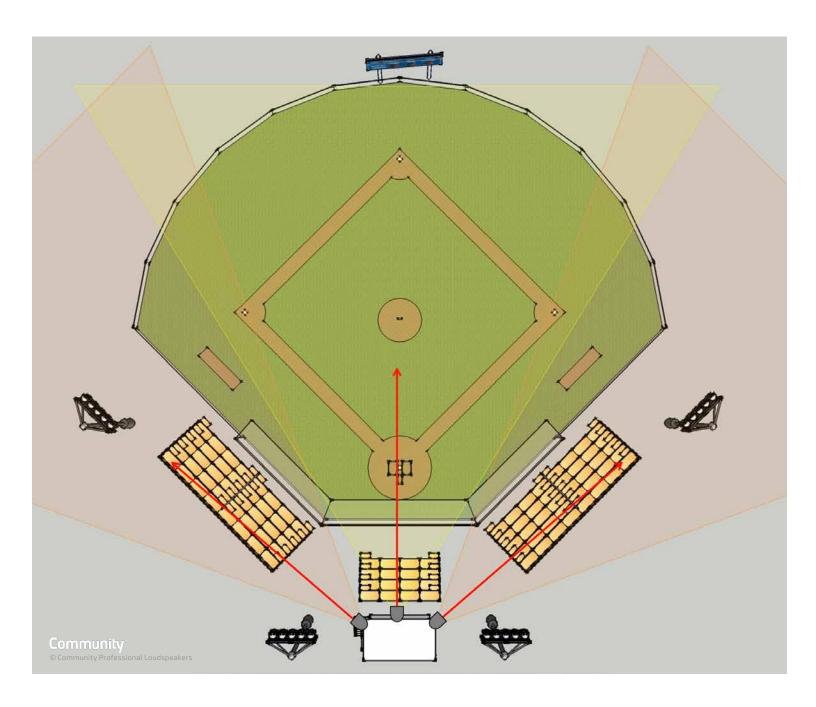
Three (3) or Four (4) R2-52Z

The additional R2-52Z loudspeaker(s) provides enhanced SPL at long distances or covers longer bleachers.

One (1) ALC-1604D*

^{*} Amplified Loudspeaker Controller - minimum recommended for low impedance operation with channels maximized.

Baseball Field 'Press Box'



Installation Description:

Three (3) loudspeakers mounted on the top of an 18-foot tall press box.

Option A:

Three (3) R.25-94Z

Good SPL to the infield and the seating, with good speech articulation.

One (1) ALC-404D*

Option B:

Three (3) R.5-94Z

Enhanced SPL and pattern control with better bass extension.
Coverage extends up to 160 feet.

One (1) ALC-404D*

Option C:

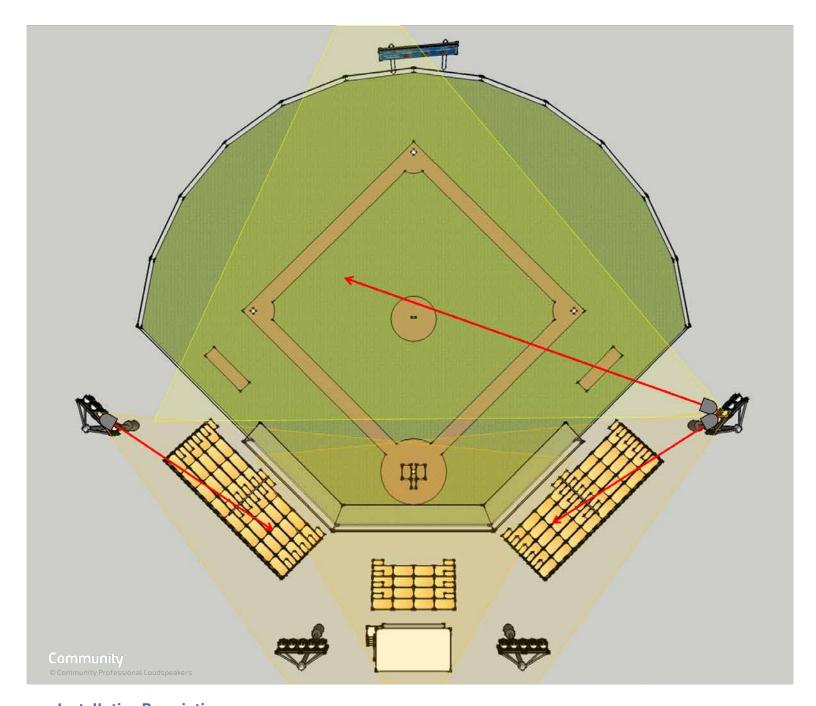
Three (3) R.5-96MAX

All of the benefits of Options A and B with greater musicality, higher SPL and the ability to address the entire field.

One (1) ALC-3202D*

^{*} Amplified Loudspeaker Controller - minimum recommended for low impedance operation with channels maximized.

Baseball Field 'Lighting Poles'



Installation Description:

Three (3) loudspeakers pole mounted at a height of 30 feet, and up to 90 feet away from the press box. Additional matching compact loudspeakers on the press box (not shown) will help reduce artificial echoes.

Option A:

Three (3) R.35-3896

Good SPL to the infield and the seating, with good speech articulation.

One (1) ALC-404D*

Option B:

Three (3) R.5-94Z

Enhanced SPL and pattern control with better bass extension.

One (1) ALC-404D*

Option C:

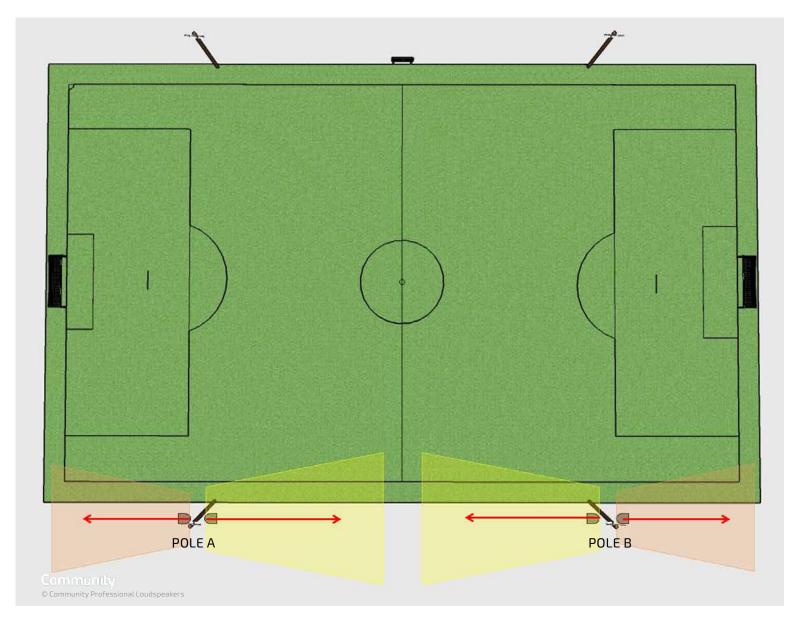
Three (3) R.5-96MAX

All of the benefits of Options A and B with greater musicality and higher SPL.

One (1) ALC-3202D*

^{*} Amplified Loudspeaker Controller - minimum recommended for low impedance operation with channels maximized.

Soccer Field 'Pole Mount - Sideline Coverage'



Installation Description:

The loudspeakers are pole mounted 50 feet above the ground on light poles about 180 feet apart. Each loudspeaker aims down sharply to focus on an individual zone, minimizing coverage overlap. Seating may be on the ground or small bleachers.

Alternative Coverage (two to three (2-3) loudspeakers - not shown): If mounting heights must be low and not aimed as sharply down, use only one (1) signal-delayed loudspeaker on "Pole B" aimed away from "Pole A". Or, use a larger model on "Pole A" to address the full "Pole B" zone (no loudspeakers on "Pole B").

Option A:

Four (4) R.25-94Z

Good voice articulation and good musicality.

One (1) ALC-404D*

Option B:

Four (4) R.35-3896

Great musicality and excellent voice articulation.

One (1) ALC-404D*

Option C:

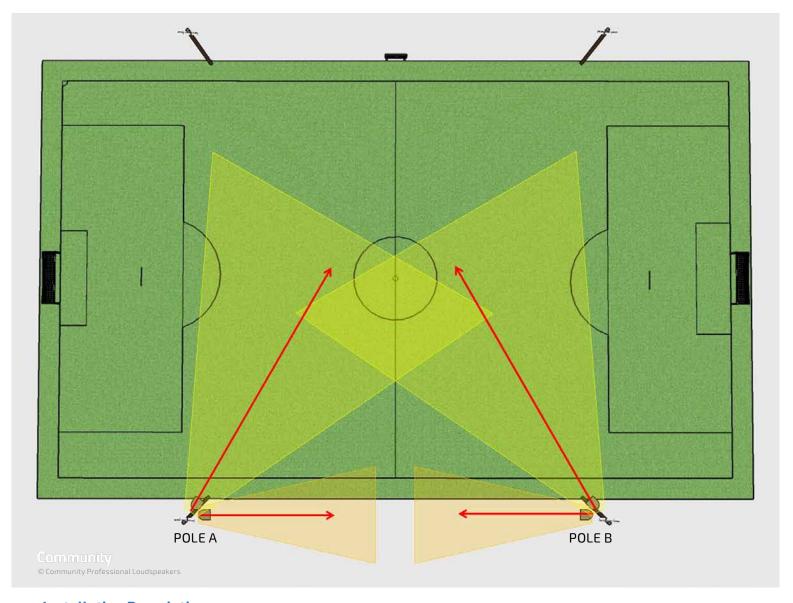
Four (4) R.5-66Z

Very good musicality, enhanced low frequency extension and excellent voice articulation.

One (1) ALC-404D*

^{*} Amplified Loudspeaker Controller - minimum recommended for low impedance operation with channels maximized.

Soccer Field 'Pole Mount - Sideline and Field'



Installation Description:

The loudspeakers are pole mounted at least 30 feet above the ground on light poles about 180 feet apart. Seating may be on the ground between the poles or on small bleachers.

Higher mounting points are preferred to minimize the effects of artificial echoes, ensuring good intelligibility.

Another option is using only one loudspeaker array position to cover the sideline area (as explained on page 9) to consolidate the loudspeakers on one pole.

Option A:

Two (2) R.35-3896 (sideline coverage) Two (2) R.35-3896 (field coverage)

Great musicality and excellent voice articulation for the seating area and the middle of the field.

One (1) ALC-404D*

Option B:

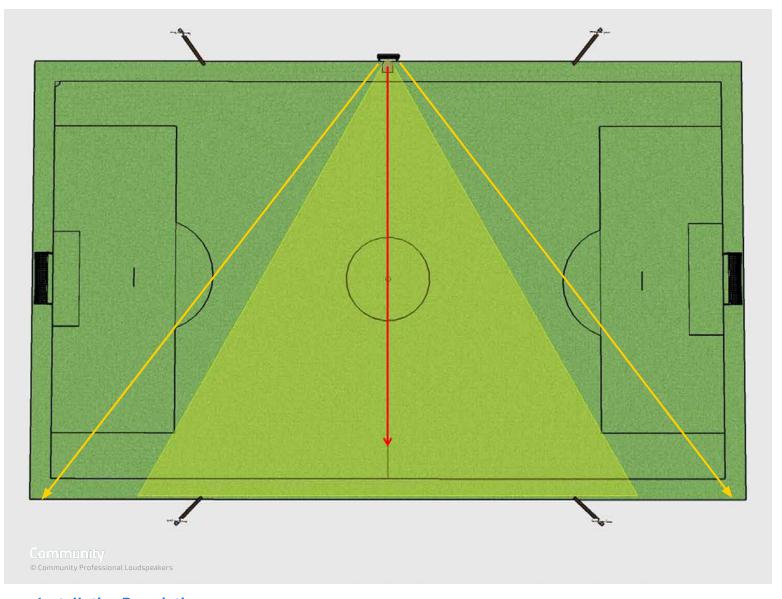
Two (2) R.5-66Z (sideline coverage)
Two (2) R.5-94Z (field coverage)

Very good musicality, enhanced low frequency extension and excellent voice articulation for the seating area and the middle of the field.

One (1) ALC-404D*

- * Amplified Loudspeaker Controller - minimum recommended for
- minimum recommended for low impedance operation with channels maximized.

Soccer Field 'Scoreboard'



Installation Description:

Single or dual R2-52Z or R2-52MAX loudspeakers are mounted on the scoreboard to cover the middle of the field and the far sideline.

Option A:

One (1) R2-52Z (single cross-field red arrow; light green color coverage)

Great coverage for the viewing side and great speech intelligibility. Careful consideration should be given to the amplifier-loudspeaker wire gauge.

One (1) ALC-404D*

Option B:

Two (2) R2-52Z (two yellow arrows from the scoreboard to opposite corners of the field)

Expanded coverage providing a wider listening area along the entire sideline.

One (1) ALC-404D*

Upgrade Option:

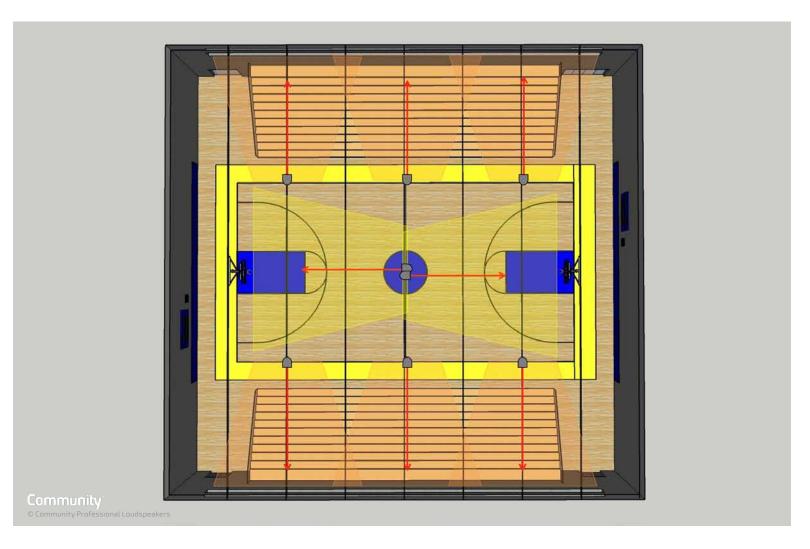
One (1) R2-52MAX or Two (2) R2-52MAX

Substitute R2-52MAX models in either Option A or B to enhance musicality and intelligibility.

One (1) ALC-3202D*

^{*} Amplified Loudspeaker Controller - minimum recommended for low impedance operation with channels maximized.

Basketball Court 'General Coverage'



Installation Description:

A typical 120-foot by 100-foot gymnasium with a 28-foot height to the low steel (bottom of trusses).

The bleachers are up to 14 feet tall.

The bleacher loudspeakers are mounted about 20 feet in front of the first row.

Bleachers longer than 70 feet can require four (4) or more loudspeakers per side.

The court loudspeakers provide **general coverage** to the court and floor seating for sporting events.

Option A:

Six (6) R.5-94Z (bleacher coverage) Two (2) R.5-99Z (center court)

Good pattern control (for intelligibility) and moderate SPL in non-acoustically treated spaces. **One (1) ALC-1604D***

Option B:

Six (6) R.35-3896 (bleacher coverage) **Two (2) R.35-3896** (center court)

Less low frequency extension, but excellent voice clarity with moderate SPL.

One (1) ALC-1604D*

Option C:

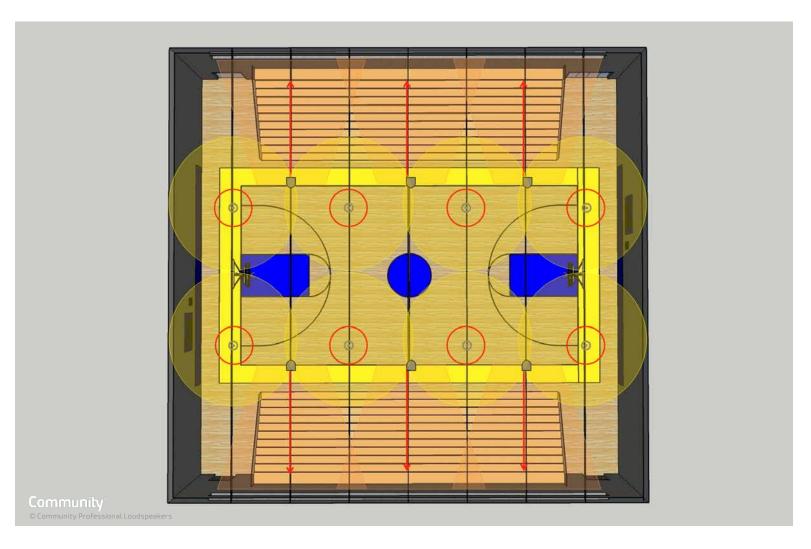
Six (6) R.5-96MAX (bleacher coverage) Two (2) R.5-99Z (center court)

Increased musicality, high SPL, and great pattern control. Subwoofers are often added to this system configuration.

One (1) ALC-1604D*

^{*} Amplified Loudspeaker Controller - minimum recommended for low impedance operation with channels maximized.

Basketball Court 'Enhanced Court Coverage'



Installation Description:

A typical 120-foot by 100-foot gymnasium with a 28-foot height to the low steel (bottom of trusses).

The bleachers are up to 14 feet tall.

The bleacher loudspeakers are mounted about 20 feet in front of the first row.

Bleachers longer than 70 feet can require four (4) or more loudspeakers per side.

The court loudspeakers provide **enhanced coverage** to the court for higher speech intelligibility and allow more zone control to accommodate multi-purpose events.

Option A:

Six (6) R.5-94Z (bleacher coverage) Eight (8) R.25-94Z (court coverage)

Good pattern control and moderate SPL in nonacoustically treated spaces for the bleachers, court and floor seating.

Two (2) ALC-404D*

Option B:

Six (6) R.35-3896 (bleacher coverage) Eight (8) R.35COAX (court coverage)

Less low frequency extension, but excellent voice clarity with moderate SPL for all areas.

One (1) ALC-1604D* + One (1) ALC-404D*

Option C:

Six (6) R.5-96MAX (bleacher coverage) Eight (8) R.5-99Z (court coverage)

Increased musicality, high SPL, and great pattern control across all listening areas.

Two (2) ALC-1604D*

^{*} Amplified Loudspeaker Controllers- minimum recommended for low impedance operation with channels maximized.

Product Specifications For loudspeakers referenced in this guide

		T 1 15 1 0" 15 1 0.75" 1 1 1 1 1 1 1 1 1
R.25-94Z (R.25-94TZ)		Transducers: LF - 1 x 8"; HF - 1 x 0.75" exit compression driver Operating Range: 100 Hz – 16 kHz
		Sensitivity (1W/1m): 97 dB (96 dB)
		Power Handling: 200W continuous @ 8 ohms (Various)
		Continuous Max Output: 120 dB (126 dB Peak)
		Nominal Beamwidth (H x V): 90° x 40°
		Dimensions (H x W x D): 11.3 x 11.3 x 13.3 in. (287 x 287 x 338 mm)
R.35COAX		Transducers: LF - 1 x 10"; coaxial HF - 1 x 1.25" exit compression driver
		Operating Range: 70 Hz – 16 kHz
		Sensitivity (1W/1m): 97 dB
		Power Handling: 200W continuous @ 8 ohms, or 70V/100V Autoformer
		Continuous Max Output: 122 dB (128 dB Peak) Nominal Beamwidth (H x V): 90° x 90° (conical)
		Dimensions (H x W x D): 11 x 13 x 13.5 in. (279 x 330 x 343 mm)
R.35-3896		Transducers: LF - 1 x 8"; coaxial MF - 2 x 2.35" and HF - 1 x 1" exit comp. driver Operating Range: 80 Hz - 16 kHz
	V III	Sensitivity (1W/1m): 100 dB
		Power Handling: 400W continuous @ 8 ohms, or 70V/100V Autoformer
		Continuous Max Output: 126 dB (132 dB Peak)
		Nominal Beamwidth (H x V): 90° × 60°
		Dimensions (H x W x D): 11 x 13 x 13.5 in. (279 x 330 x 343 mm)
R.5-66Z (R.5-66TZ)		Transducers: LF - 1 x 12"; HF - 1 x 1" exit compression driver
		Operating Range: 85 Hz – 16 kHz
R.5-94Z (R.5-94TZ)		Sensitivity (1W/1m): 102 dB - 103 dB (101 dB - 102 dB)
R.5-99Z (R.5-99TZ)		Power Handling: 200W continuous @ 8 ohms (Various)
R.3-99Z (R.5-991Z)		Continuous Max Output: 126 dB (132 dB Peak)
		Nominal Beamwidth (H x V): -66Z (60° x 60°), -94Z (90° x 40°), -99Z (90° x 90°) Dimensions (H x W x D): 16 x 16 x 16 in. (406 x 406 x 406 mm)
R.5-96MAX		Transducers: LF - 1 x 12"; coaxial HF - 1 x 1.4" exit compression driver
		Operating Range: 70 Hz - 20 kHz Sensitivity (1W/1m): 103 dB
		Power Handling: 600W continuous @ 8 ohms
		Continuous Max Output: 130 dB (136 dB Peak)
		Nominal Beamwidth (H x V): 90° x 60° (Additional horn patterns available)
		Dimensions (H x W x D): 16.0 x 16.0 x 16.2 in. (406 x 406 x 411 mm)
R2-94Z		
	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED	Transducers: LF - 2 x 12"; MF - 1 x 2" exit M200 driver; HF - 1 x 1" exit comp. driver
	1/-	Transducers: LF - 2×12 "; MF - 1×2 " exit M200 driver; HF - 1×1 " exit comp. driver Operating Range: 70 Hz – 16 kHz
,	1	Operating Range: 70 Hz – 16 kHz Sensitivity (1W/1m): 105 dB
,		Operating Range: 70 Hz – 16 kHz Sensitivity (1W/1m): 105 dB Power Handling: 400W continuous @ 4 ohms
,		Operating Range: 70 Hz – 16 kHz Sensitivity (1W/1m): 105 dB Power Handling: 400W continuous @ 4 ohms Continuous Max Output: 131 dB (137 dB Peak)
,		Operating Range: 70 Hz – 16 kHz Sensitivity (1W/1m): 105 dB Power Handling: 400W continuous @ 4 ohms
D2 527		Operating Range: 70 Hz – 16 kHz Sensitivity (1W/1m): 105 dB Power Handling: 400W continuous @ 4 ohms Continuous Max Output: 131 dB (137 dB Peak) Nominal Beamwidth (H x V): 90° x 40° (Additional horn patterns available) Dimensions (H x W x D): 24.75 x 24.75 x 29 in. (629 x 629 x 737 mm)
R2-52Z		Operating Range: 70 Hz – 16 kHz Sensitivity (1W/1m): 105 dB Power Handling: 400W continuous @ 4 ohms Continuous Max Output: 131 dB (137 dB Peak) Nominal Beamwidth (H x V): 90° x 40° (Additional horn patterns available) Dimensions (H x W x D): 24.75 x 24.75 x 29 in. (629 x 629 x 737 mm) Transducers: LF - 2 x 12"; MF - 2 x 2" exit M200 driver; HF - 1 x 1" exit comp. driver
R2-52Z		Operating Range: 70 Hz – 16 kHz Sensitivity (1W/1m): 105 dB Power Handling: 400W continuous @ 4 ohms Continuous Max Output: 131 dB (137 dB Peak) Nominal Beamwidth (H x V): 90° x 40° (Additional horn patterns available) Dimensions (H x W x D): 24.75 x 24.75 x 29 in. (629 x 629 x 737 mm)
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R2-52Z		Operating Range: 70 Hz – 16 kHz Sensitivity (1W/1m): 105 dB Power Handling: 400W continuous @ 4 ohms Continuous Max Output: 131 dB (137 dB Peak) Nominal Beamwidth (H x V): 90° x 40° (Additional horn patterns available) Dimensions (H x W x D): 24.75 x 24.75 x 29 in. (629 x 629 x 737 mm) Transducers: LF - 2 x 12"; MF - 2 x 2" exit M200 driver; HF - 1 x 1" exit comp. driver Operating Range: 70 Hz – 16 kHz Sensitivity (1W/1m): 107 dB Power Handling: 400W continuous @ 4 ohms Continuous Max Output: 133 dB (139 dB Peak) Nominal Beamwidth (H x V): 50° x 20°
R2-52Z		Operating Range: 70 Hz – 16 kHz Sensitivity (1W/1m): 105 dB Power Handling: 400W continuous @ 4 ohms Continuous Max Output: 131 dB (137 dB Peak) Nominal Beamwidth (H x V): 90° x 40° (Additional horn patterns available) Dimensions (H x W x D): 24.75 x 24.75 x 29 in. (629 x 629 x 737 mm) Transducers: LF - 2 x 12"; MF - 2 x 2" exit M200 driver; HF - 1 x 1" exit comp. driver Operating Range: 70 Hz – 16 kHz Sensitivity (1W/1m): 107 dB Power Handling: 400W continuous @ 4 ohms Continuous Max Output: 133 dB (139 dB Peak)
`		Operating Range: 70 Hz – 16 kHz Sensitivity (1W/1m): 105 dB Power Handling: 400W continuous @ 4 ohms Continuous Max Output: 131 dB (137 dB Peak) Nominal Beamwidth (H x V): 90° x 40° (Additional horn patterns available) Dimensions (H x W x D): 24.75 x 24.75 x 29 in. (629 x 629 x 737 mm) Transducers: LF - 2 x 12"; MF - 2 x 2" exit M200 driver; HF - 1 x 1" exit comp. driver Operating Range: 70 Hz - 16 kHz Sensitivity (1W/1m): 107 dB Power Handling: 400W continuous @ 4 ohms Continuous Max Output: 133 dB (139 dB Peak) Nominal Beamwidth (H x V): 50° x 20° Dimensions (H x W x D): 24.75 x 24.75 x 29 in. (629 x 629 x 737 mm)
R2-52Z R2-52MAX		Operating Range: 70 Hz – 16 kHz Sensitivity (1W/1m): 105 dB Power Handling: 400W continuous @ 4 ohms Continuous Max Output: 131 dB (137 dB Peak) Nominal Beamwidth (H x V): 90° x 40° (Additional horn patterns available) Dimensions (H x W x D): 24.75 x 24.75 x 29 in. (629 x 629 x 737 mm) Transducers: LF - 2 x 12"; MF - 2 x 2" exit M200 driver; HF - 1 x 1" exit comp. driver Operating Range: 70 Hz - 16 kHz Sensitivity (1W/1m): 107 dB Power Handling: 400W continuous @ 4 ohms Continuous Max Output: 133 dB (139 dB Peak) Nominal Beamwidth (H x V): 50° x 20° Dimensions (H x W x D): 24.75 x 24.75 x 29 in. (629 x 629 x 737 mm) Transducers: LF - 2 x 12"; MF - 2 x 2" exit M200HP driver; HF - 1 x 1" exit comp. driv Operating Range: 71 Hz - 19.5 kHz
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`		Operating Range: 70 Hz – 16 kHz Sensitivity (1W/1m): 105 dB Power Handling: 400W continuous @ 4 ohms Continuous Max Output: 131 dB (137 dB Peak) Nominal Beamwidth (H x V): 90° x 40° (Additional horn patterns available) Dimensions (H x W x D): 24.75 x 24.75 x 29 in. (629 x 629 x 737 mm) Transducers: LF - 2 x 12"; MF - 2 x 2" exit M200 driver; HF - 1 x 1" exit comp. driver Operating Range: 70 Hz - 16 kHz Sensitivity (1W/1m): 107 dB Power Handling: 400W continuous @ 4 ohms Continuous Max Output: 133 dB (139 dB Peak) Nominal Beamwidth (H x V): 50° x 20° Dimensions (H x W x D): 24.75 x 24.75 x 29 in. (629 x 629 x 737 mm) Transducers: LF - 2 x 12"; MF - 2 x 2" exit M200HP driver; HF - 1 x 1" exit comp. driv Operating Range: 71 Hz - 19.5 kHz Sensitivity (1W/1m): LF: 102 dB, HF/MF: 110 dB

Full specifications for these, and other models, are available at www.communitypro.com. Loudspeaker data files are available for EASE and EASE Focus acoustic modeling software to facilitate optimum system design. (EASE and EASE Focus are products of AFMG Technologies GmbH.)

Technical Considerations

'Amplified Loudspeaker Controllers'



Community recommends our series of Amplified Loudspeaker Controllers (ALC) for all Community loudspeaker applications, like those shown in this application guide. ALCs provide all of the signal routing, zone switching, DSP processing, protective limiting, remote monitoring, and amplification functions needed between a mixer and the loudspeakers in virtually any Community Professional Loudspeakers application. Standard Ethernet communication protocols allow for fast system design, system control, and remote system monitoring. Analog and Dante®inputs are included in each model, for quick and easy integration into any new or existing system. Community-authored loudspeaker presets include equalization, high pass filters, and multi-stage limiters tailored to each model, ensuring consistent sound quality and full loudspeaker protection in every application.

ALC Application Note

Total available power can be safely distributed asymmetrically across the outputs in any combination of low impedance and 70V/100V loads. Power delivered from each output is individually managed; total shared power per ALC is monitored and limited independently by the power supply.

ALC-404D

- 4 inputs (Analog and/or Dante®)
- · 4 channels of amplification and DSP processing
- Each channel provides up to 400W of power into low impedance or 70V/100V loads, stable to $2\Omega\,$
- In bridged mode, each pair of channels provides up to 800W into $8\Omega,\,4\Omega,$ or 70V/100V loads
- Total shared power not to exceed 1200W
- Perfect for Small R SERIES, V SERIES, Compact I SERIES, W SERIES (W2), and ENT200 models, and zoned C SERIES & D SERIES applications

ALC-1604D

- 4 inputs (Analog and/or Dante®)
- 4 channels of amplification and DSP processing
- Each channel provides up to 1600W of power into low impedance or 70V/100V loads, stable to 2Ω
- In bridged mode, each pair of channels provides up to 3200W into 4Ω , or 70V/100V loads
- Total shared power not to exceed 4800W
- Perfect match for Larger R SERIES & W SERIES, I SERIES, IV6 and ENT-FR

ALC-3202D

- · 2 inputs (Analog and/or Dante®)
- 2 channels of amplification and DSP processing
- Each channel provides up to 3200W of power into low impedance or 70V/100V loads
- In bridged mode, each pair of channels provides up to 6400W into $4\Omega,$ or 70V/100V loads
- Total shared power not to exceed 6400W
- Perfect for R6-MAX, I SERIES Subwoofers and larger IV6 Arrays

Models	Power @ 2Ω	Power @ 4Ω	Power @ 8Ω	Bridged @ 4Ω	Bridged @ 8Ω	70V	100V	Max Output Voltage @ Lo-Z
ALC-404D	4 x 400W	4 x 400W	4 x 400W	2 × 800W	2 x 800W	4 x 400W	4 x 400W	80 Vpk
ALC-1604D	4 x 1600W	4 x 1400W	4 x 1250W	2 x 3200W	2 x 2800W	4 x 1600W	4 x 1600W	142 Vpk
ALC-3202D	2 x 3200W	2 x 2400W	2 x 1250W	1 x 6400W	1 x 4800W	2 x 3200W	2 x 3200W	142 Vpk



Rear Panel of ALC-404D and ALC-1604D

Visit www.communitypro.com to learn more, or contact the Community TAG Team (Technical Applications Group) for technical and applications assistance at 1+ (610) 876-3400 or tagteamacommunitypro.com



Community Professional Loudspeakers is a developer and manufacturer of innovative loudspeaker systems for installed sound applications.

Community products elevate the listening experience at the world's foremost indoor and outdoor sports venues, auditoria, theme parks, worship facilities and convention centers.

For applications that demand reliable, long-term performance and consistent, high-quality sound – often in extreme and challenging environments – Community loudspeakers provide the critical listening experience audiences deserve and facility managers demand.

Based in Chester, Pennsylvania, Community is an American original whose innovative products have shaped the professional sound industry since the company was founded in 1968.

Community Professional Loudspeakers

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