



# Electro-Voice<sup>®</sup> X-ARRAY™ CONCERT SYSTEMS

## Recommended Array Manual





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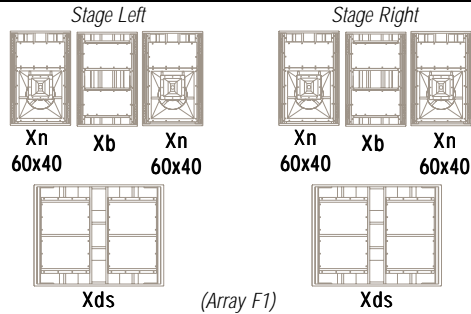
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## Small Venues (less than 1,000 seats)

### Very-Small Venue with Wide Coverage Angle

Small club or theatre

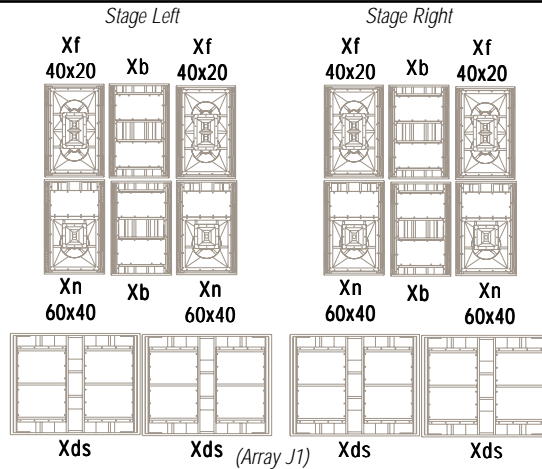
Full-range cabinets: 4 (Xn)  
 MB/HF cabinets: none  
 LF cabinets: 2 (Xb)  
 Subwoofer cabinets: 2 (Xds)  
 Horizontal Coverage: 95 to 120 degrees  
 Pattern: symmetrical  
 Amplifier channels: 2 x 5 channels  
 Total Power: 2 x 5,200 W



### Very-Small Venue with Narrow Coverage Angle

Small club or theatre

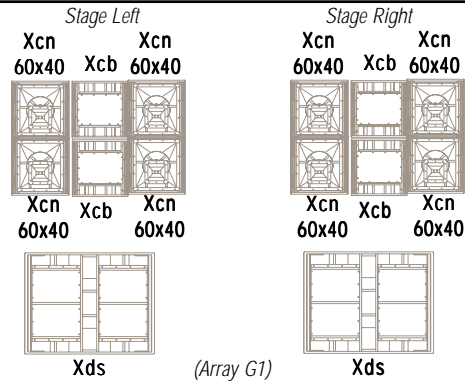
Full-range cabinets: 4 (Xn)  
 MB/HF cabinets: 4 (Xf)  
 LF cabinets: 4 (Xb)  
 Subwoofer cabinets: 4 (Xds)  
 Horizontal Coverage: 60 to 80 degrees  
 Pattern: symmetrical  
 Amplifier channels: 2 x 9 channels  
 Total Power: 2 x 10,000 W



### Very-Small Venue with Wide Coverage Angle

Small club or theatre

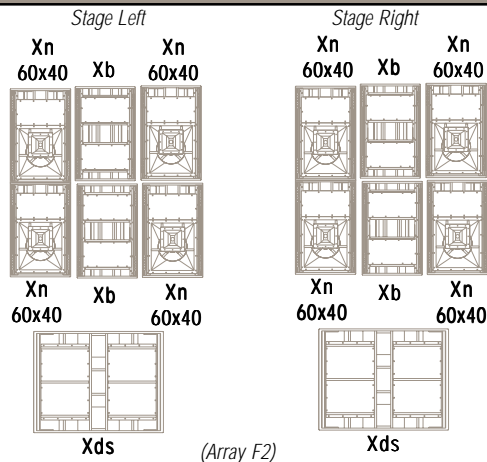
Full-range cabinets: 8 (Xcn)  
 MB/HF cabinets: none  
 LF cabinets: 4 (Xcb)  
 Subwoofer cabinets: 2 (Xds)  
 Horizontal Coverage: 95 to 120 degrees  
 Pattern: symmetrical  
 Amplifier channels: 2 x 6 channels  
 Total Power: 2 x 8,000 W



### Very-Small Venue with Wide Coverage Angle

Theatre

Full-range cabinets: 8 (Xn)  
 MB/HF cabinets: none  
 LF cabinets: 4 (Xb)  
 Subwoofer cabinets: 2 (Xds)  
 Horizontal Coverage: 95 to 120 degrees  
 Pattern: symmetrical  
 Amplifier channels: 2 x 9 channels  
 Total Power: 2 x 9,200 W

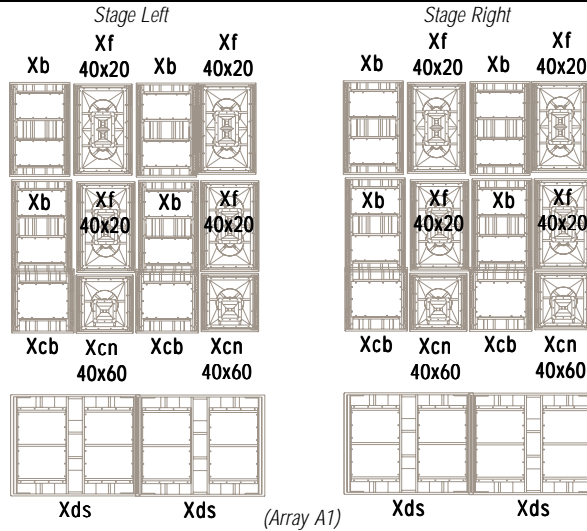


## Medium Venues (1,000 to 5,000 seats)

### Medium Venue with Narrow Coverage Angle

### Small Amphitheater

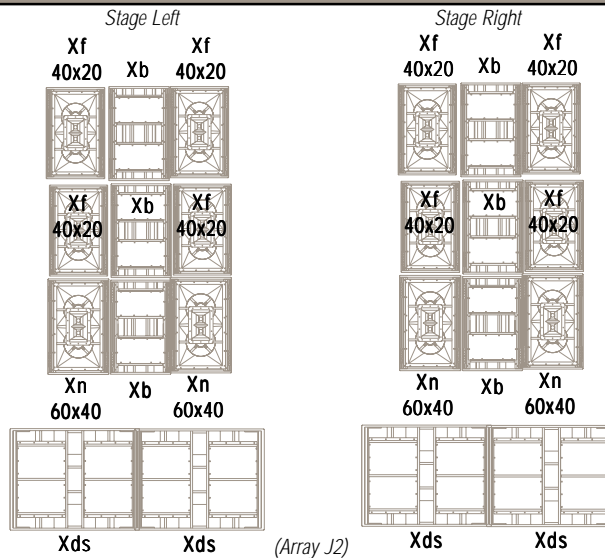
Full-range cabinets: 4 (Xcn)  
 MB/HF cabinets: 8 (Xf)  
 LF cabinets: 8 (Xb), 4 (Xcb)  
 Subwoofer cabinets: 4 (Xds)  
 Horizontal Coverage: 60 to 80 degrees  
 Pattern: symmetrical  
 Amplifier channels: 2 x 13 channels  
 Total Power: 2 x 14,800 W



### Medium Venue with Narrow Coverage Angle

### Large Theatre

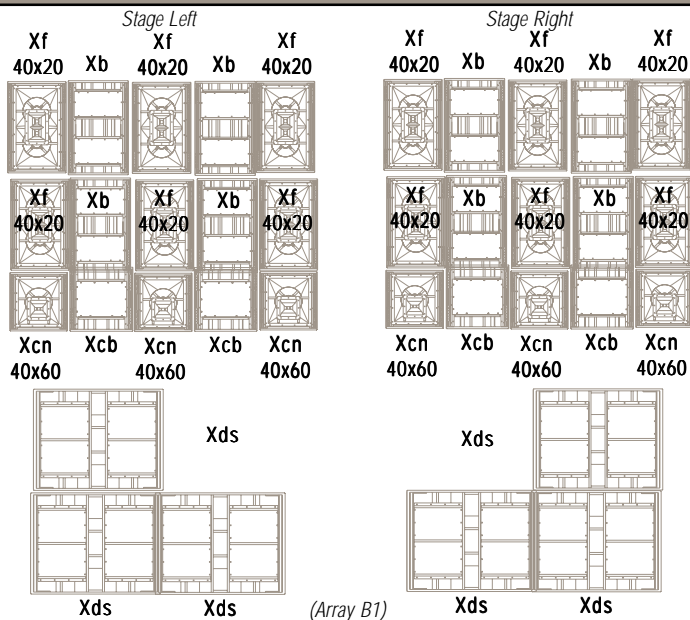
Full-range cabinets: 4 (Xn)  
 MB/HF cabinets: 8 (Xf)  
 LF cabinets: 6 (Xb)  
 Subwoofer cabinets: 4 (Xds)  
 Horizontal Coverage: 60 to 80 degrees  
 Pattern: symmetrical  
 Amplifier channels: 2 x 12 channels  
 Total Power: 2 x 13,600 W



### Medium Venue with Wide Coverage Angle

### Small Amphitheater

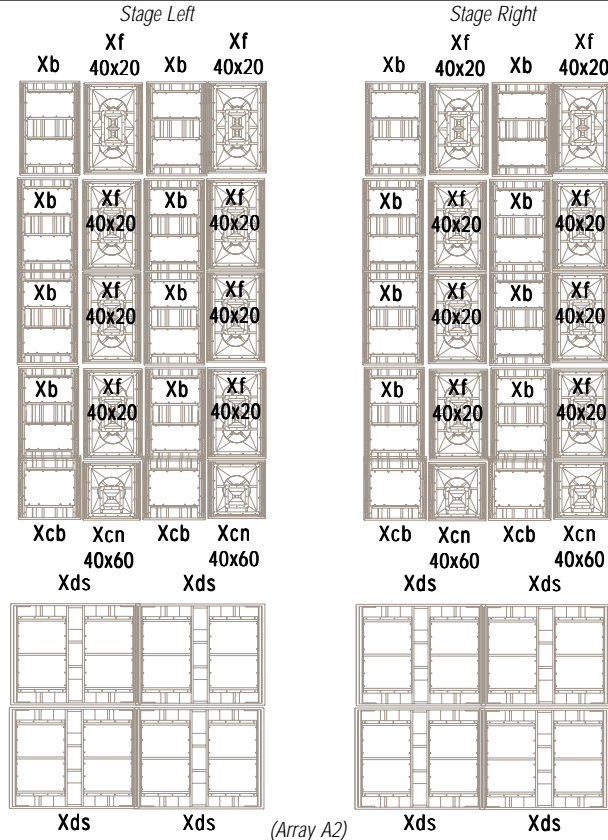
Full-range cabinets: 6 (Xcn)  
 MB/HF cabinets: 12 (Xf)  
 LF cabinets: 8 (Xb), 4 (Xcb)  
 Subwoofer cabinets: 6 (Xds)  
 Horizontal Coverage: 90 to 120 degrees  
 Pattern: symmetrical  
 Amplifier channels: 2 x 20 channels  
 Total Power: 2 x 20,400 W



## Large Venues (greater than 5,000 seats)

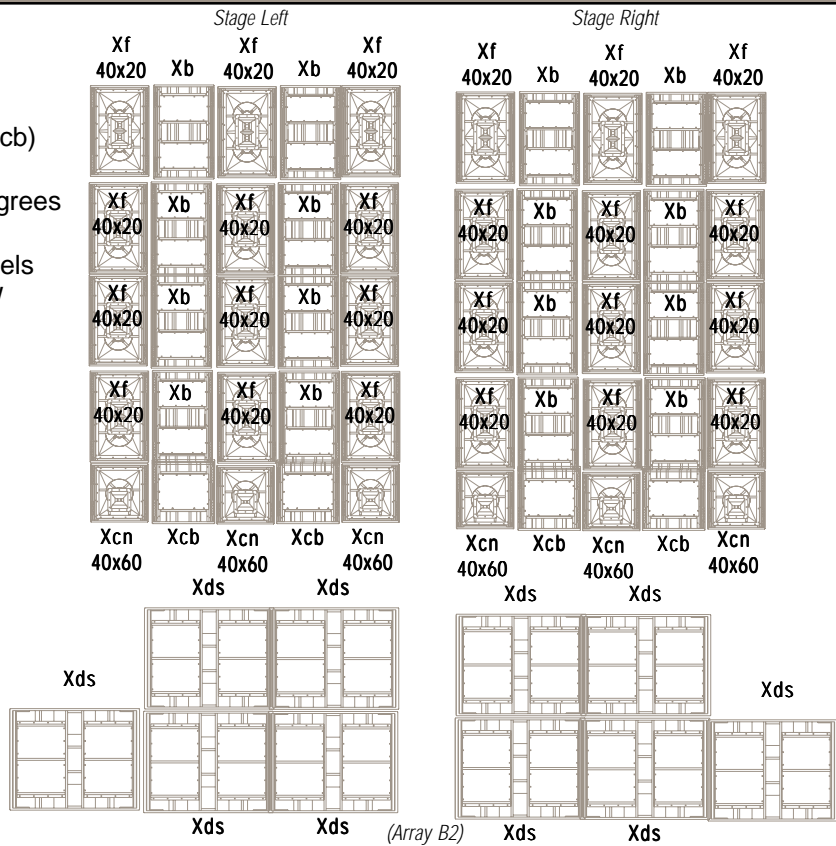
### Large Venue with Narrow Coverage Angle

Full-range cabinets: 4 (Xcn)  
 MB/HF cabinets: 16 (Xf)  
 LF cabinets: 16 (Xb), 4 (Xcb)  
 Subwoofer cabinets: 8 (Xds)  
 Horizontal Coverage: 60 to 80 degrees  
 Pattern: symmetrical  
 Amplifier channels: 2 x 21 channels  
 Total Power: 2 x 26,800 W



### Large Venue with Medium Coverage Angle

Full-range cabinets: 6 (Xcn)  
 MB/HF cabinets: 24 (Xf)  
 LF cabinets: 16 (Xb), 6 (Xcb)  
 Subwoofer cabinets: 10 (Xds)  
 Horizontal Coverage: 90 to 120 degrees  
 Pattern: symmetrical  
 Amplifier channels: 2 x 32 channels  
 Total Power: 2 x 34,800 W



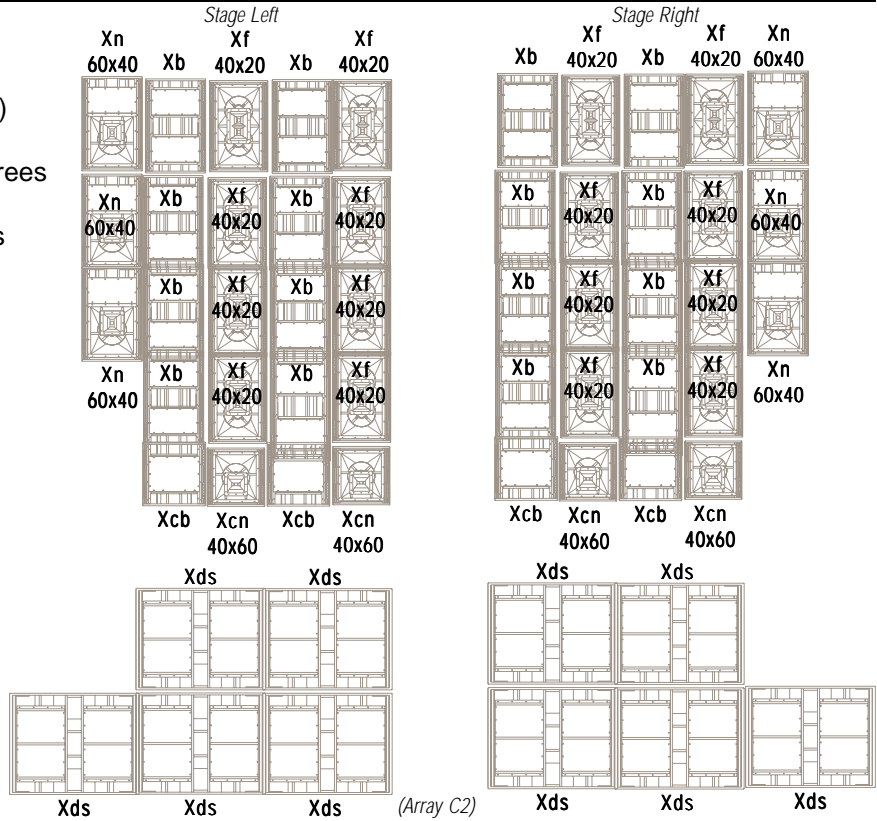


# Large Venues (greater than 5,000 seats)

## Large Venue with Wide Coverage Angle

## Large Arena

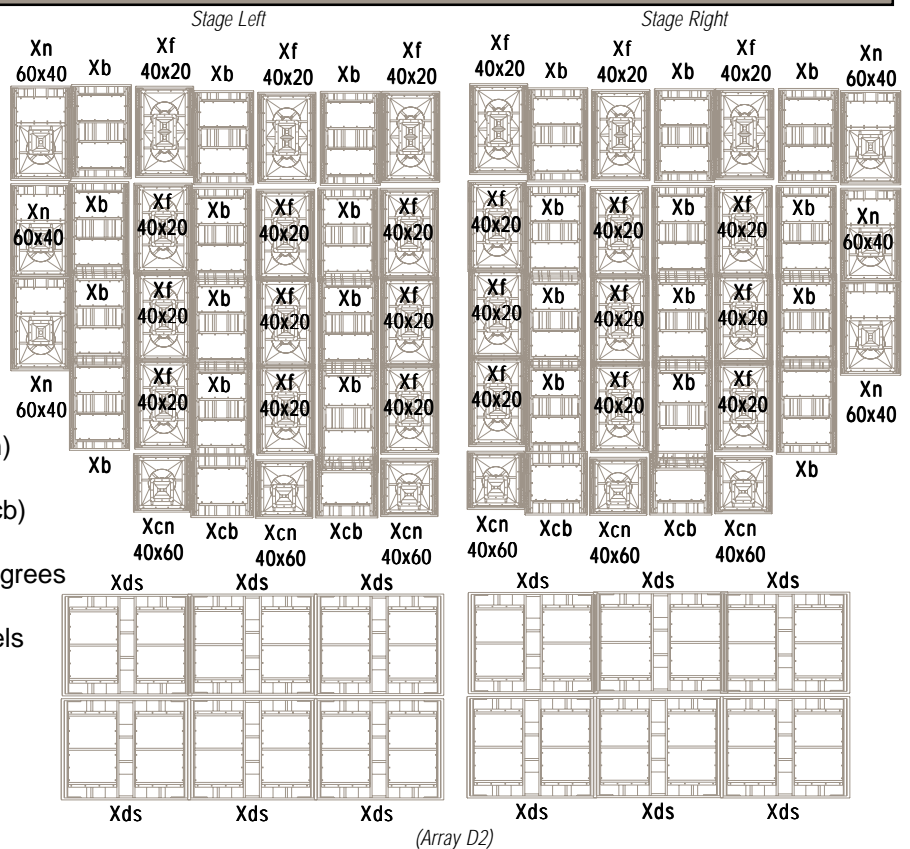
- Full-range cabinets: 6 (Xn), 4 (Xcn)
- MB/HF cabinets: 16 (Xf)
- LF cabinets: 16 (Xb), 4 (Xcb)
- Subwoofer cabinets: 10 (Xds)
- Horizontal Coverage: 105 to 140 degrees
- Pattern: Asymmetrical
- Amplifier channels: 2 x 28 channels
- Total Power: 2 x 32,000 W



## Large Venue with Very-Wide Coverage Angle

## Large Arena

- Full-range cabinets: 6 (Xn), 6 (Xcn)
- MB/HF cabinets: 24 (Xf)
- LF cabinets: 24 (Xb), 4 (Xcb)
- Subwoofer cabinets: 12 (Xds)
- Horizontal Coverage: 135 to 180 degrees
- Pattern: Asymmetrical
- Amplifier channels: 2 x 39 channels
- Total Power: 2 x 44,000 W

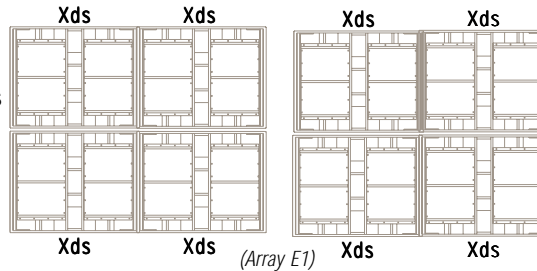
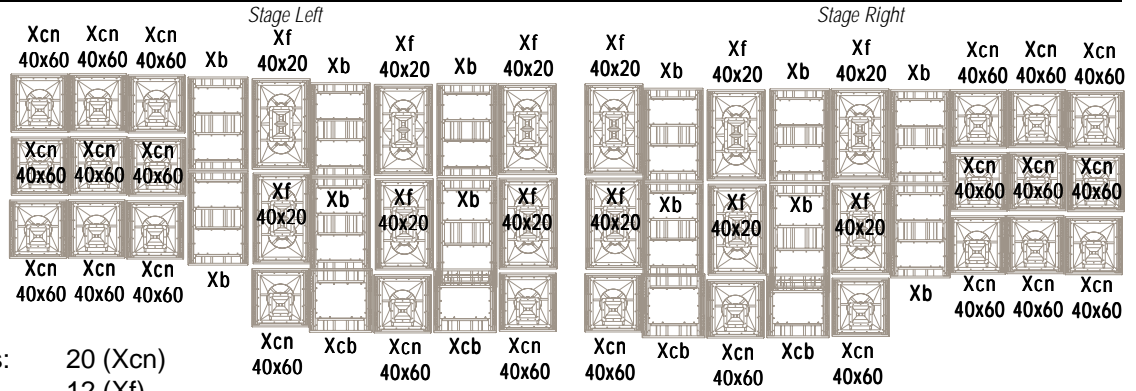




## Large Venues (greater than 5,000 seats)

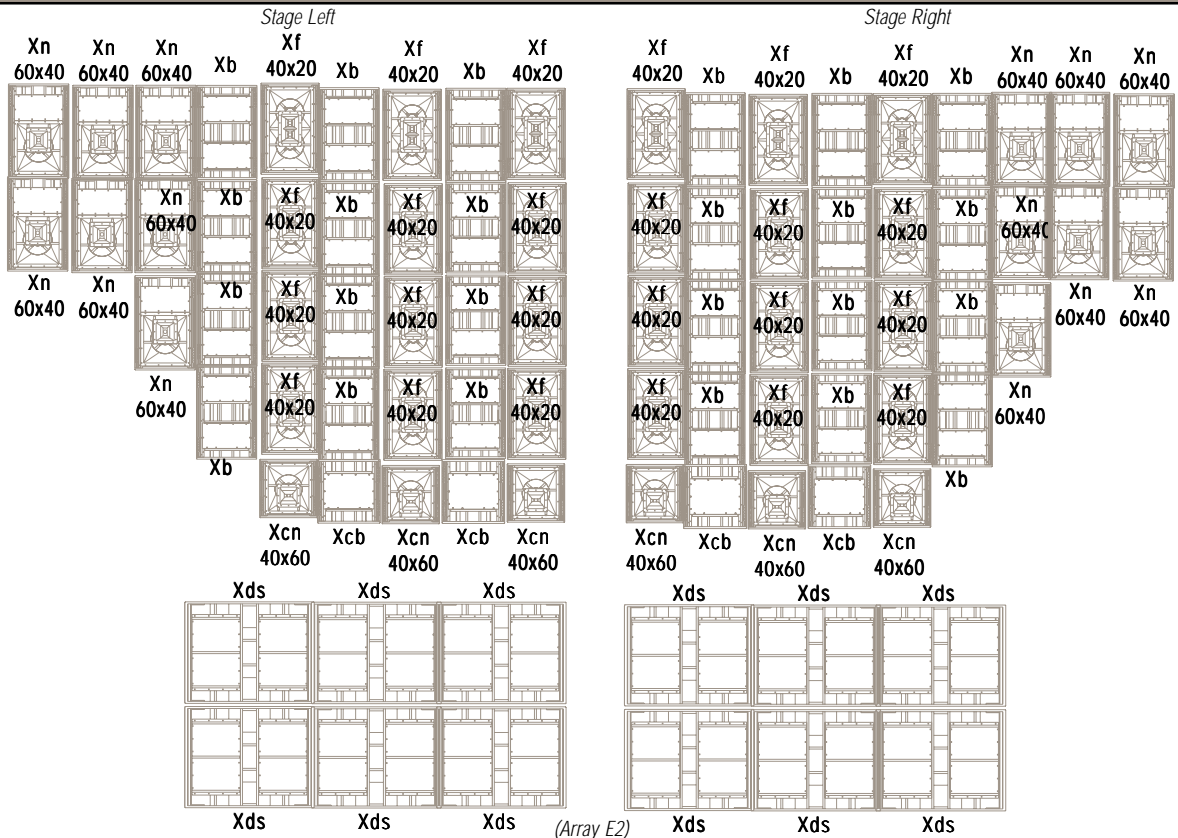
### Large Venue with Very-Wide Angles and Wrap-Around Seating

### Large Arena



### Very-Large Venue with Very-Wide Angles and Wrap-Around Seating

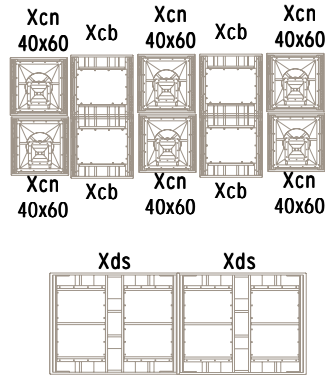
### Large Arena



## Central Cluster Arrays

### Small Venue, with Very-Wide Coverage

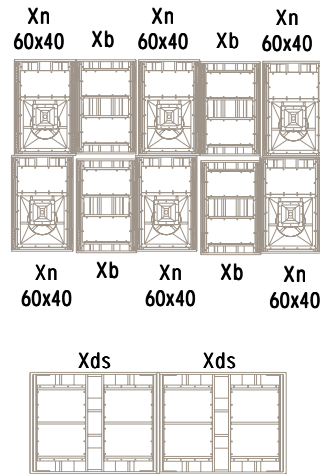
Full-range cabinets: 6 (Xcn)  
 MB/HF cabinets: none  
 LF cabinets: 4 (Xcb)  
 Subwoofer cabinets: 2 (Xds)  
 Horizontal Coverage: 130 to 180 degrees  
 Pattern: Symmetrical  
 Amplifier channels: 12 channels  
 Total Power: 12,400 W



(Array H1)

### Small Venue, with Very-Wide Coverage

Full-range cabinets: 6 (Xn)  
 MB/HF cabinets: none  
 LF cabinets: 4 (Xb)  
 Subwoofer cabinets: 2 (Xds)  
 Horizontal Coverage: 130 to 180 degrees  
 Pattern: Symmetrical  
 Amplifier channels: 17 channels  
 Total Power: 16,400 W



(Array I1)

### Other Central Cluster Arrays

The following arrays are recommended for the central-cluster applications:

Application	Recommended Array
very-small venue, wide coverage angle .....	F1
small venue, narrow coverage angle .....	J1
small venue, wide coverage angle .....	F2
small venue, wide coverage angle .....	G1
small venue, very-wide coverage angle .....	H1
small venue, very-wide coverage angle .....	I1
medium venue, narrow coverage angle .....	J2
medium venue, medium coverage angle .....	B1
large venue, medium coverage angle .....	B2

Please refer to the previous sections for illustrations of the arrays.  
 For central cluster applications, only one channel of the illustrated stereo-pair array.



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