

ELECTROVOICE LINE ARRAY PREDICTION SYSTEM (LAPS) II  
Version 2.1A

<b>VENUE</b>	Club5 Main Floor			<b>DESIGNER</b>	(sample)	<b>LAST UPDATED</b>	Oct 27, 2017	
<b>JOB</b>	Standard Set			<b>DATE</b>	10/16/2017	<b>REV</b>	1	

VENUE		MEASUREMENTS		
BALCONIES LOCATION	UNITS	MODE	FROM	
NONE	INDOORS	English	RANGE & ANGLE	STAGE
ONE	OUTDOORS		RUN & RISE	FLOOR
TWO				

POINTS	Run, Feet	Rise, Feet	Stage Specs, Feet	
A	1.0	0.0	Depth	Height
B	40.0	0.0	32.0	4.0
C	82.0	0.0	Head Height, Feet	
			6.0	
			Ceiling Height, Feet. Zero or blank for auto.	
			16.0	

Acoustic Reference Point, Feet			Delay Cluster Used	
Mode	Downstage	Height		
AUTO	40.0	6.0	YES	NO
MANUAL				

MAIN FLOOR	FIRST BALCONY	SECOND BALCONY	VENUE REFERENCE POINT
A First floor seat			Venue measurements from here
B Last floor seat	First seat Last seat	First seat Last seat	
C Last seat on riser			

Build 1016

# ELECTROVOICE LINE ARRAY PREDICTION SYSTEM (LAPS) II Version 2.1A

MAIN CLUSTER			Club5 Main Floor • Standard Set • 2017 Oct 16				Feet			ANALYSIS BANDS & BANDWIDTHS			
?	BEAMS, GRIDS, BOXES	ANGLES		DRIVE		Product Family	RIG	7 Front Elements	Top	15.00	3000 Hz	500 Hz	8000 Hz
		Angle Above	Total Tilt	Level dB	Delay mSec	XLC	<input type="checkbox"/> Flow n 1PT <input type="checkbox"/> Flow n 2PT <input type="checkbox"/> Stacked	0 Rear Elements	Bottom	7.72	0.33 octave	0.33 octave	0.33 octave
						<input checked="" type="checkbox"/> Show Polars	<input checked="" type="checkbox"/> Main		Downstage	-5.4	? ARRAY TO PREDICT: <span style="background-color: yellow;">Himids</span> <span style="background-color: lightblue;">Subwoofers</span>		
	XLC-GRID	-7.5	-7.5										
1	XLC-127DVX	0.0	-7.5	-6.0									
2	XLC-127DVX	0.0	-7.5	-6.0									
3	XLC-127DVX	-2.0	-9.5	-2.0									
4	XLC-127DVX	-2.0	-11.5	-2.0									
5	XLC-127DVX	-3.0	-14.5	0.0									
6	XLC-127DVX	-4.0	-18.5	0.0									
REAR SUBS													

DELAY CLUSTER					STACKBUILDER					Club5 Main Floor • Standard Set • 2017 Oct 16					
BOXES		ANGLES			DRIVE		Product Family	RIG	3	Front Elements	Top Trim	10.00	POSITION RELATIVE TO VENUE REF PT		
Box Type	Angle Above	Total Tilt	Level dB	Delay mSec	XLC	Flown 1PT	0	Rear Elements	Bottom Trim	6.42	Downstage	40.00	Feet		
					Show Polars	Flown 2PT		PREDICT	Drive Delay	0.00 mS	Offstage	0.00	Feet		
						Stacked		Main	Delay						
1	XLC-127DVA	0.0		-12.0											
2	XLC-127DVA	0.0		-11.0											
3	XLC-127DVA	-8.0		-11.0											
<b>REAR SUBS</b>															

DELAY CLUSTER GEOMETRY

MAIN CLUSTER SPL

0 = 118dB SPL

MAIN FLOOR

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**EQUALIZATION** ?

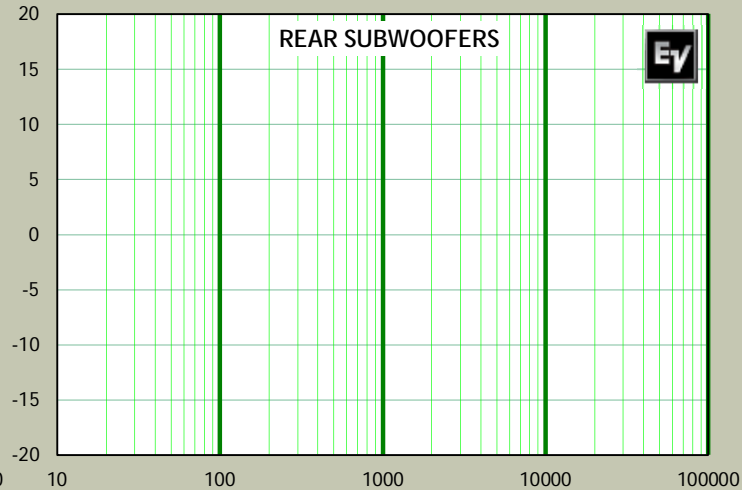
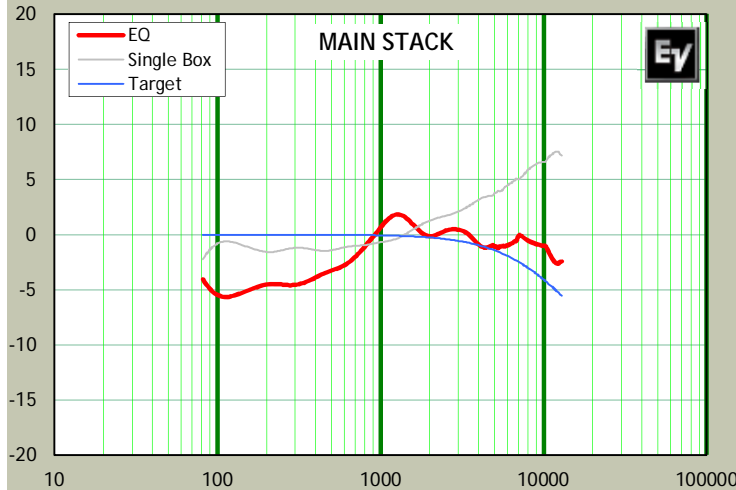
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**Main Cluster**

ARRAYS		
MAIN STACK	7	XLC
REAR SUBWOOFERS	0	XLC

ACOUSTIC REFERENCE POINT		
Downstage	40.00	Feet
Height	6.00	Feet

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VERSION	10/16/2017
DESIGNER	(sample)



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## Main Cluster

### Fly Point

Single point hang

Point No.	Type	Distance Upstage, ft	Load, lb	Pinhole or Note
1	Main point	6.77	<u>673</u> <b>673</b>	11

Grid Tilt: 7.5 degrees down

Elevations above Floor: Rig top: 15.25 ft, bottom: 7.72 ft

Height of rig: 7.53 ft

Frontmost point of rig: 5.40 ft upstage

Rearmost point of rig: 8.65 ft upstage

### Main Loudspeaker Rig Elements

No.	Model	Inclination Angle (+ = up)	Attenuation	Pinhole or Note
1	XLC-GRID	-7.5°		11
2	XLC-127DVX	-7.5°	6.0 dB	0° Rear swing arm of top box must be attached to top hole of grid.
3	XLC-127DVX	-7.5°	6.0 dB	2°
4	XLC-127DVX	-9.5°	2.0 dB	2°
5	XLC-127DVX	-11.5°	2.0 dB	3°
6	XLC-127DVX	-14.5°	0.0 dB	4°
7	XLC-127DVX	-18.5°	0.0 dB	

Delay cluster not selected or has no elements.

Box inclination angle = tilt angle of loudspeaker enclosure rear panel.

# AIR LOSS ESTIMATOR



Air Pressure	103125	Pa			
Ambient Temperature	68	F	Defaults		
Relative Humidity	50	%			
Frequencies	3000	500	8000	Hz	

