AlloSphere Speaker Layout (2025 Configuration)

This table details the locations of the AlloSphere's loudspeakers, 54 Meyer Sound MM4XP(220 W each). A Meyer 600-HP subwoofer (2,250 W) is located on the ground.
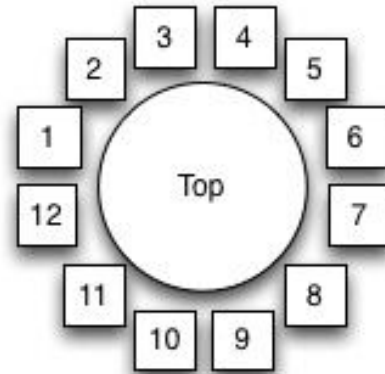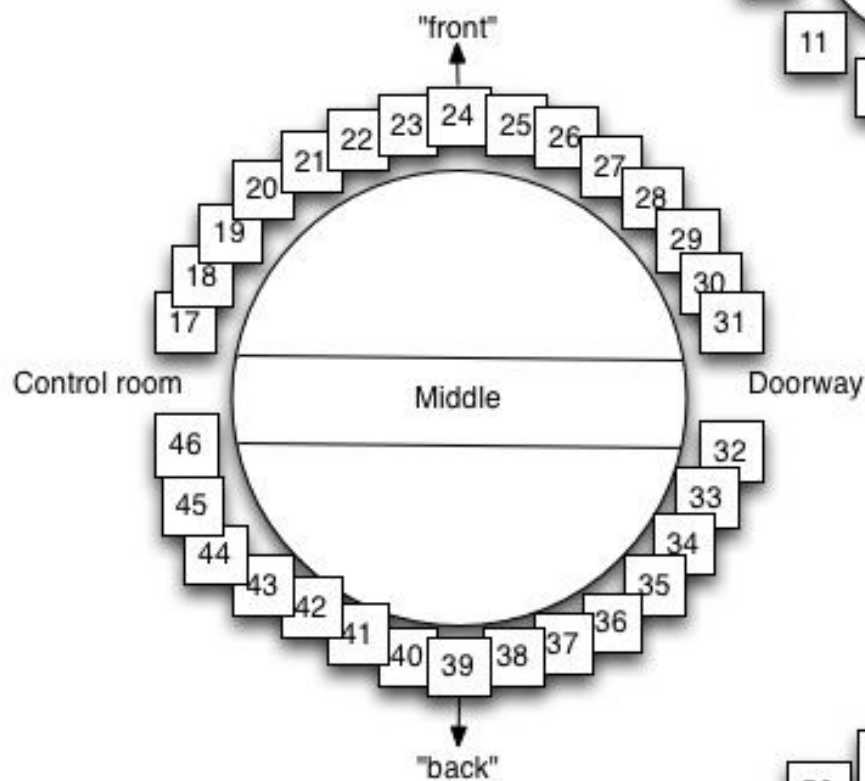
(54.1 channels, 2025 configuration)

Speaker Number	X	Y	Z	Distance	Azimuth	Elevation	Speaker Group	Gain Compensation (DB)
1	1.067	4.877	3.199	5.929	1.355	0.570	0	3.441
2	3.933	3.945	3.199	6.424	0.787	0.521	0	5.045
3	5.705	1.507	3.199	6.712	0.258	0.497	0	5.921
4	5.705	-1.507	3.199	6.712	-0.258	0.497	0	5.921
5	3.933	-3.945	3.199	6.424	-0.787	0.521	0	5.045
6	1.067	-4.877	3.199	5.929	-1.355	0.570	0	3.441
7	-1.067	-4.877	3.199	5.929	-1.786	0.570	0	3.441
8	-3.933	-3.945	3.199	6.424	-2.355	0.521	0	5.045
9	-5.705	-1.507	3.199	6.712	-2.883	0.497	0	5.921
10	-5.705	1.507	3.199	6.712	2.883	0.497	0	5.921
11	-3.933	3.945	3.199	6.424	2.355	0.521	0	5.045
12	-1.067	4.877	3.199	5.929	1.786	0.570	0	3.441
17	1.067	4.877	0.000	4.992	1.355	0.000	1	0.000
18	2.152	4.755	0.000	5.219	1.146	0.000	1	0.888
19	3.183	4.394	0.000	5.425	0.944	0.000	1	1.665
20	4.107	3.813	0.000	5.604	0.748	0.000	1	2.314
21	4.880	3.041	0.000	5.749	0.557	0.000	1	2.825
22	5.461	2.116	0.000	5.856	0.370	0.000	1	3.193
23	5.821	1.085	0.000	5.922	0.184	0.000	1	3.415
24	5.944	-0.000	0.000	5.944	0.000	0.000	1	3.489
25	5.821	-1.085	0.000	5.922	-0.184	0.000	1	3.415
26	5.461	-2.116	0.000	5.856	-0.370	0.000	1	3.193
27	4.880	-3.041	0.000	5.749	-0.557	0.000	1	2.825
28	4.107	-3.813	0.000	5.604	-0.748	0.000	1	2.314
29	3.183	-4.394	0.000	5.425	-0.944	0.000	1	1.665
30	2.152	-4.755	0.000	5.219	-1.146	0.000	1	0.888
31	1.067	-4.877	0.000	4.992	-1.355	0.000	1	0.000
32	-1.067	-4.877	0.000	4.992	-1.786	0.000	1	0.000
33	-2.152	-4.755	0.000	5.219	-1.996	0.000	1	0.888
34	-3.183	-4.394	0.000	5.425	-2.198	0.000	1	1.665
35	-4.107	-3.813	0.000	5.604	-2.393	0.000	1	2.314
36	-4.880	-3.041	0.000	5.749	-2.584	0.000	1	2.825
37	-5.461	-2.116	0.000	5.856	-2.772	0.000	1	3.193
38	-5.821	-1.085	0.000	5.922	-2.957	0.000	1	3.415
39	-5.944	-0.000	0.000	5.944	-3.142	0.000	1	3.489
40	-5.821	1.085	0.000	5.922	2.957	0.000	1	3.415
41	-5.461	2.116	0.000	5.856	2.772	0.000	1	3.193
42	-4.880	3.041	0.000	5.749	2.584	0.000	1	2.825
43	-4.107	3.813	0.000	5.604	2.393	0.000	1	2.314
44	-3.183	4.394	0.000	5.425	2.198	0.000	1	1.665
45	-2.152	4.755	0.000	5.219	1.996	0.000	1	0.888
46	-1.067	4.877	0.000	4.992	1.786	0.000	1	0.000
49	1.067	4.877	-2.620	5.638	1.355	-0.483	2	2.433
50	3.933	3.945	-2.620	6.157	0.787	-0.440	2	4.193
51	5.705	1.507	-2.620	6.456	0.258	-0.418	2	5.144
52	5.705	-1.507	-2.620	6.456	-0.258	-0.418	2	5.144
53	3.933	-3.945	-2.620	6.157	-0.787	-0.440	2	4.193
54	1.067	-4.877	-2.620	5.638	-1.355	-0.483	2	2.433
55	-1.067	-4.877	-2.620	5.638	-1.786	-0.483	2	2.433
56	-3.933	-3.945	-2.620	6.157	-2.355	-0.440	2	4.193
57	-5.705	-1.507	-2.620	6.456	-2.883	-0.418	2	5.144
58	-5.705	1.507	-2.620	6.456	2.883	-0.418	2	5.144
59	-3.933	3.945	-2.620	6.157	2.355	-0.440	2	4.193
60	-1.067	4.877	-2.620	5.638	1.786	-0.483	2	2.433

Note: Speakers 13-16 are reserved for future additions to the top ring. Speaker 48 is the sub. Speaker 47 does not exist.
*D*iagram shown on the following page.

Speaker Numbering in the AlloSphere, December 2013

Top ring: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Middle ring: "front" ↑ 24, 23, 22, 21, 20, 19, 18, 17 (Control room), 25, 26, 27, 28, 29, 30, 31 (Doorway), 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, "back" ↓

Bottom ring: 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60

Note: Speaker numbers 13-16 are reserved for additions to top ring.

Speaker number 47 also does not exist.

Sub 48

OpenGL axes per this diagram:

+X, +Z, +Y is coming "up" out of the page