

Full Version

This version includes the floor plus 13 bass shakers for a complete immersive experience.

Description	Qty	Unit Price	Total w/ Tax & Shipping	Ref #	Source	Notes
3/4" Plywood sheets 8'x4'	13	35.00	492.54	n/a	Home Depot	Floor. Must be strong enough for people to stand on. https://www.homedepot.com/p/23-32-in-x-4-ft-x-8-ft-RTD-Sheathing-Syp-129323/303564747#see-more-details
Paint (5 colors, 2 coats, 1 quart of each)	5	25.98	140.62	n/a	Home Depot	Panels. https://www.homedepot.com/p/BEHR-ULTRA-1-qt-S120-7-Fine-Wine-Satin-Enamel-Exterior-Paint-Primer-985304/311067944?MERCH=REC_-fbt_test_-204851635_-1_-n/a_-n/a_-n/a_-n/a/#see-more-details
2x4, 8' lumber	39	3.25	137.21	n/a	Home Depot	Framing. https://www.homedepot.com/p/2-in-x-4-in-x-96-in-2-Premium-Grade-KD-HT-Stud-058449/312528776
Joist hangers - inner	104	2.54	285.95	n/a	Home Depot	Framing. https://www.homedepot.com/p/Simpson-Strong-Tie-PF-18-Gauge-Galvanized-Post-Frame-Hanger-for-2x4-Nominal-Lumber-PF24/100374975
Joist hangers - corners	60	2.98	193.55	n/a	Home Depot	Framing. https://www.homedepot.com/p/Simpson-Strong-Tie-TJC-3-1-8-in-x-7-in-Galvanized-Jack-Truss-Connector-TJC37/204842440#see-more-details
1.25" Nails, box of ~90	13	2.87	40.39	n/a	Home Depot	Framing. https://www.homedepot.com/p/Everbilt-16-x-1-1-4-in-Zinc-Plated-Wire-Nail-1-75-oz-Pack-801224/204274051
Bass shakers	13	79.98	1125.52	A	Parts Express	Audio. https://www.parts-express.com/Aurasound-AST-2B-4-Pro-Bass-Shaker-299-028?quantity=1
Bass shaker amps	4	319.98	1385.51	B	Parts Express	Audio. https://www.parts-express.com/Dayton-Audio-BSA-200-200W-Bass-Shaker-Bridgeable-Stereo-Amplifier-with-Remote-300-785?quantity=1
Female XLR panel mount to male XLR, pair	1	19.99	21.64	C	Amazon	Audio (amp cabinet input to unbalanced converter). https://www.amazon.com/Zhupoub-2-Pack-Connector-Premium-Through/dp/B0F66Z6WSM
Balanced to unbalanced converter	1	89.99	97.41	D	Amazon	Stage audio signal to amp. https://www.amazon.com/ART-CLEANBoxPro-2-channel-Unbalanced-Converter/dp/B003S7T49K
Alesis Nanocompressor (used)	1	51.00	74.48	E	Reverb	Audio (limit incoming signal). https://reverb.com/item/93828385-alesis-nanocompressor-2000s-black
Nanocompressor power supply	1	14.99	16.23	n/a	Amazon	https://www.amazon.com/Adapter-Charger-Digitech-Processor-Switching/dp/B01IR4A9GK
Male 1/4" to male RCA, 3' stereo pair	2	9.75	21.11	F	Amazon	Audio (converter to limiter; limiter to amp). https://www.amazon.com/2X6-35mm-Interconnect-Receivers-Speakers-Amplifiers/dp/B07G4Y4NYP
XLR cables (M to F) - 15', 4 pack	2	27.83	60.25	G	Amazon	Audio (amps to panels). https://www.amazon.com/EBXYA-XLR-Cable-15ft-Packs/dp/B0BVR4XJYY
XLR cables (M to F) - 6', 4 pack	2	22.99	49.77	H	Amazon	Audio (panel to panel + 1 for center panel shaker (to be modified)). https://www.amazon.com/EBXYA-XLR-Cable-15ft-Packs/dp/B082SQD72G
RCA cables (M to M) - 1' stereo pair	3	11.99	38.94	I	Amazon	Audio (amp interconnect). https://www.amazon.com/dp/B09TN58ZKM
Speaker wire, 14 gauge, 100 feet	1	16.10	17.43	J	Amazon	Audio (XLR panel to shaker; amp to XLR panel). https://www.amazon.com/Speaker-GearIT-Meters-Theater-Speakers/dp/B00HZWYP1G
Panel mount XLR jack - male, pack of 6	4	8.89	38.49	K	Amazon	Audio (8 for amp box interconnect, 13 for panels). https://www.amazon.com/bnafes-XLR-Male-Jack-Pin/dp/B09DW96S7T
Panel mount XLR jack - female, pack of 8	2	12.99	28.12	L	Amazon	Audio (panel interconnect, 13). https://www.amazon.com/GDQLCNXB-Speaker-Microphone-Connector-Housing/dp/B0B294CTRL
Small electronics enclosure	13	0.00	0.00	n/a	Self made	Audio (enclose XLR jacks on each panel), 13 needed. 3D print these.
Bolts - 1/4-20 x 1", box of 100	1	16.80	18.19	n/a	Home Depot	Audio (bass shaker mounting + center panel attachment; 64 needed). https://www.homedepot.com/p/Everbilt-1-4-in-20-x-1-in-Zinc-Plated-Hex-Bolt-100-Pack-800590/204273584
Washers - 1/4, box of 100	2	15.75	34.10	n/a	Home Depot	Audio (bass shaker mounting, 128 needed). https://www.homedepot.com/p/Everbilt-1-4-in-Zinc-Flat-Washer-100-Pack-807210/204284538?MERCH=REC_-fbt_test_-204273584_-3_-n/a_-n/a_-n/a_-n/a_-n/a
Nuts - 1/4-20, box of 100	1	5.97	6.46	n/a	Home Depot	Audio (bass shaker mounting, 64 needed). https://www.homedepot.com/p/Everbilt-1-4-in-20-lpi-Zinc-Hex-Nut-100-Pack-801730/204274089?MERCH=REC_-fbt_test_-204273584_-1_-n/a_-n/a_-n/a_-n/a_-n/a
Project Total			4323.91			
70% of total			3026.74			

Reduced Cost Version

This version uses only 6 bass shakers instead of 13. It won't feel as good, but should still be pretty cool.

Description	Qty	Unit Price	Total w/ Tax & Shipping	Ref #	Source	Notes
3/4" Plywood sheets 8'x4'	13	35.00	492.54	n/a	Home Depot	Floor. Must be strong enough for people to stand on. https://www.homedepot.com/p/23-32-in-x-4-ft-x-8-ft-RTD-Sheathing-Syp-129323/303564747#see-more-details
Paint (5 colors, 2 coats, 1 quart of each)	5	25.98	140.62	n/a	Home Depot	Panels. https://www.homedepot.com/p/BEHR-ULTRA-1-qt-S120-7-Fine-Wine-Satin-Enamel-Exterior-Paint-Primer-985304/311067944?MERCH=REC_-fbt_test_-204851635_-1_-n/a_-n/a_-n/a_-n/a/#see-more-details
2x4, 8' lumber	39	3.25	137.21	n/a	Home Depot	Framing. https://www.homedepot.com/p/2-in-x-4-in-x-96-in-2-Premium-Grade-KD-HT-Stud-058449/312528776
Joist hangers - inner	104	2.54	285.95	n/a	Home Depot	Framing. https://www.homedepot.com/p/Simpson-Strong-Tie-PF-18-Gauge-Galvanized-Post-Frame-Hanger-for-2x4-Nominal-Lumber-PF24/100374975
Joist hangers - corners	60	2.98	193.55	n/a	Home Depot	Framing. https://www.homedepot.com/p/Simpson-Strong-Tie-TJC-3-1-8-in-x-7-in-Galvanized-Jack-Truss-Connector-TJC37/204842440#see-more-details
1.25" Nails, box of ~90	13	2.87	40.39	n/a	Home Depot	Framing. https://www.homedepot.com/p/Everbilt-16-x-1-1-4-in-Zinc-Plated-Wire-Nail-1-75-oz-Pack-801224/204274051
Bass shakers	6	79.98	519.47	A	Parts Express	Audio. https://www.parts-express.com/Aurasound-AST-2B-4-Pro-Bass-Shaker-299-028?quantity=1
Bass shaker amps	2	319.98	692.76	B	Parts Express	Audio. https://www.parts-express.com/Dayton-Audio-BSA-200-200W-Bass-Shaker-Bridgeable-Stereo-Amplifier-with-Remote-300-785?quantity=1
Female XLR panel mount to male XLR, pair	1	19.99	21.64	C	Amazon	Audio (amp cabinet input to unbalanced converter). https://www.amazon.com/Zhupoub-2-Pack-Connector-Premium-Through/dp/B0F66Z6WSM
Balanced to unbalanced converter	1	89.99	97.41	D	Amazon	Stage audio signal to amp. https://www.amazon.com/ART-CLEANBoxPro-2-channel-Unbalanced-Converter/dp/B003S7T49K
Alesis Nanocompressor (used)	1	51.00	74.48	E	Reverb	Audio (limit incoming signal). https://reverb.com/item/93828385-alesis-nanocompressor-2000s-black
Male 1/4" to male RCA, 3' stereo pair	2	9.75	21.11	F	Amazon	Audio (converter to limiter; limiter to amp). https://www.amazon.com/2X6-35mm-Interconnect-Receivers-Speakers-Amplifiers/dp/B07G4Y4NYP
XLR cables (M to F) - 15', 4 pack	2	27.83	60.25	G	Amazon	Audio (amps to panels). https://www.amazon.com/EBXYA-XLR-Cable-15ft-Packs/dp/B0BVR4XJYY
XLR cables (M to F) - 6', 4 pack	0	22.99	0.00	H	Amazon	Audio (panel to panel + 1 for center panel shaker (to be modified)). https://www.amazon.com/EBXYA-XLR-Cable-15ft-Packs/dp/B082SQD72G
RCA cables (M to M) - 1' stereo pair	1	11.99	12.98	I	Amazon	Audio (amp interconnect). https://www.amazon.com/dp/B09TN58ZKM
Speaker wire, 14 gauge, 100 feet	1	16.10	17.43	J	Amazon	Audio (XLR panel to shaker; amp to XLR panel). https://www.amazon.com/Speaker-GearIT-Meters-Theater-Speakers/dp/B00HZWYP1G
Panel mount XLR jack - male, pack of 6	4	8.89	38.49	K	Amazon	Audio (8 for amp box interconnect, 13 for panels). https://www.amazon.com/bnafes-XLR-Male-Jack-Pin/dp/B09DW96S7T
Panel mount XLR jack - female, pack of 8	2	12.99	28.12	L	Amazon	Audio (panel interconnect, 13). https://www.amazon.com/GDQLCNXB-Speaker-Microphone-Connector-Housing/dp/B0B294CTRL
Small electronics enclosure	13	0.00	0.00	n/a	Self made	Audio (enclose XLR jacks on each panel), 13 needed. 3D print these.
Bolts - 1/4-20 x 1", box of 100	1	16.80	18.19	n/a	Home Depot	Audio (bass shaker mounting + center panel attachment; 64 needed). https://www.homedepot.com/p/Everbilt-1-4-in-20-x-1-in-Zinc-Plated-Hex-Bolt-100-Pack-800590/204273584
Washers - 1/4, box of 100	2	15.75	34.10	n/a	Home Depot	Audio (bass shaker mounting, 128 needed). https://www.homedepot.com/p/Everbilt-1-4-in-Zinc-Flat-Washer-100-Pack-807210/204284538?MERCH=REC_-fbt_test_-204273584_-3_-n/a_-n/a_-n/a_-n/a_-n/a
Nuts - 1/4-20, box of 100	1	5.97	6.46	n/a	Home Depot	Audio (bass shaker mounting, 64 needed). https://www.homedepot.com/p/Everbilt-1-4-in-20-lpi-Zinc-Hex-Nut-100-Pack-801730/204274089?MERCH=REC_-fbt_test_-204273584_-1_-n/a_-n/a_-n/a_-n/a_-n/a
Project Total			2933.15			
70% of total			2053.20			

Extra Reduced Cost Version

This version just builds the floor. Bass shakers would be added at a later date.

Description	Qty	Unit Price	Total w/ Tax & Shipping	Ref #	Source	Notes
3/4" Plywood sheets 8'x4'	13	35.00	492.54	n/a	Home Depot	Floor. Must be strong enough for people to stand on. https://www.homedepot.com/p/23-32-in-x-4-ft-x-8-ft-RTD-Sheathing-Syp-129323/303564747#see-more-details
Paint (5 colors, 2 coats, 1 quart of each)	5	25.98	140.62	n/a	Home Depot	Panels. https://www.homedepot.com/p/BEHR-ULTRA-1-qt-S120-7-Fine-Wine-Satin-Enamel-Exterior-Paint-Primer-985304/311067944?MERCH=REC_-fbt_test_-204851635_-1_-n/a_-n/a_-n/a_-n/a/#see-more-details
2x4, 8' lumber	39	3.25	137.21	n/a	Home Depot	Framing. https://www.homedepot.com/p/2-in-x-4-in-x-96-in-2-Premium-Grade-KD-HT-Stud-058449/312528776
Joist hangers - inner	104	2.54	285.95	n/a	Home Depot	Framing. https://www.homedepot.com/p/Simpson-Strong-Tie-PF-18-Gauge-Galvanized-Post-Frame-Hanger-for-2x4-Nominal-Lumber-PF24/100374975

loist hangers - corners	60	2.98	193.55	n/a	Home Depot	Framing: https://www.homedepot.com/p/Simpson-Strong-Tie-TJC-3-1-8-in-x-7-in-Galvanized-Jack-Truss-Connector-TJC37/204842440#see-more-details			
1.25" Nails, box of ~90	13	2.87	40.39	n/a	Home Depot	Framing: https://www.homedepot.com/p/Everbilt-16-x-1-1-4-in-Zinc-Plated-Wire-Nail-1-75-oz-Pack-801224/204274051			
Bass shakers	0	79.98	0.00	A	Parts Express	Audio: https://www.parts-express.com/Aurasound-AST-2B-4-Pro-Bass-Shaker-299-028?quantity=1			
Bass shaker amps	0	319.98	0.00	B	Parts Express	Audio: https://www.parts-express.com/Dayton-Audio-BSA-200-200W-Bass-Shaker-Bridgeable-Stereo-Amplifier-with-Remote-300-785?quantity=1			
Female XLR panel mount to male XLR, pair	0	19.99	0.00	C	Amazon	Audio (amp cabinet input to unbalanced converter): https://www.amazon.com/Zipoub-2-Pack-Connector-Premium-Through/dp/B0F6626WSM			
Balanced to unbalanced converter	0	89.99	0.00	D	Amazon	Stage audio signal to amp: https://www.amazon.com/ART-CLEANBoxPro-2-channel-Unbalanced-Converter/dp/B003S7T49K			
Alesis Nanocompressor (used)	0	51.00	74.48	E	Reverb	Audio (limit incoming signal): https://reverb.com/item/93828385-alesis-nanocompressor-2000s-black			
Male 1/4" to male RCA, 3' stereo pair	0	9.75	0.00	F	Amazon	Audio (converter to limiter; limiter to amp): https://www.amazon.com/X26-35mm-Interconnect-Receiver-Speakers-Amplifiers/dp/B07G4Y4NYP			
XLR cables (M to F) - 15', 4 pack	0	27.83	0.00	G	Amazon	Audio (amps to panels): https://www.amazon.com/EBXYA-XLR-Cable-15ft-Packs/dp/B0BV84XYJY			
XLR cables (M to F) - 6', 4 pack	0	22.99	0.00	H	Amazon	Audio (panel to panel + 1 for center panel shaker (to be modified)): https://www.amazon.com/EBXYA-XLR-Cable-15ft-Packs/dp/B082SQD72G			
RCA cables (M to M) - 1' stereo pair	0	11.99	0.00	I	Amazon	Audio (amp interconnect): https://www.amazon.com/dp/B09TN58ZKM			
Speaker wire, 14 gauge, 100 feet	0	16.10	0.00	J	Amazon	Audio (XLR panel to shaker; amp to XLR panel): https://www.amazon.com/Speaker-Gear-IT-Meters-Theater-Speakers/dp/B00HZWYP1G			
Panel mount XLR jack - male, pack of 6	0	8.89	0.00	K	Amazon	Audio (8 for amp box interconnect, 13 for panels): https://www.amazon.com/bnafes-XLR-Male-Jack-Pin/dp/B09DWW96SZT			
Panel mount XLR jack - female, pack of 8	0	12.99	0.00	L	Amazon	Audio (panel interconnect, 13): https://www.amazon.com/GDQLCNXB-Speaker-Microphone-Connector-Housing/dp/B0B294CTRL			
Small electronics enclosure	0	0.00	0.00	n/a	Self made	Audio (enclose XLR jacks on each panel), 13 needed. 3D print these.			
Bolts - 1/4-20 x 1", box of 100	0	16.80	0.00	n/a	Home Depot	Audio (bass shaker mounting - center panel attachment; 64 needed): https://www.homedepot.com/p/Everbilt-1-4-in-20-x-1-in-Zinc-Plated-Hex-Bolt-1-Pack-800590/204273584			
Washers - 1/4, box of 100	0	15.75	0.00	n/a	Home Depot	Audio (bass shaker mounting, 128 needed): https://www.homedepot.com/p/Everbilt-1-4-in-Zinc-Flat-Washer-100-Pack-807210/204284538?MERCH=REC_-fbt_test_-204273584_-3_-n/a_-n/a_-n/a_-n/a_-n/a			
Nuts - 1/4-20, box of 100	0	5.97	0.00	n/a	Home Depot	Audio (bass shaker mounting, 64 needed): https://www.homedepot.com/p/Everbilt-1-4-in-20-tpi-Zinc-Hex-Nut-100-Pack-801730/204274089?MERCH=REC_-fbt_test_-204273584_-1_-n/a_-n/a_-n/a_-n/a_-n/a			
Project Total			1364.73						
70% of total			955.31						