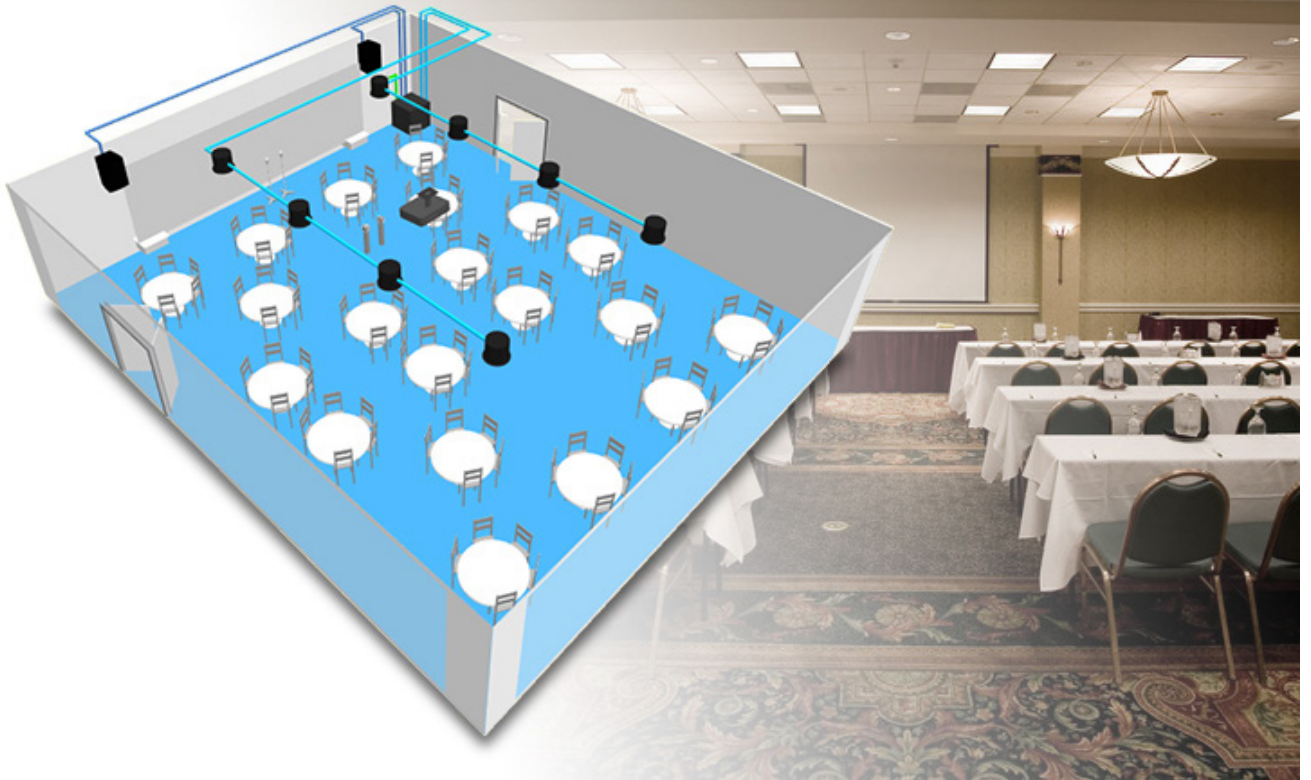


## Multi-purpose Room



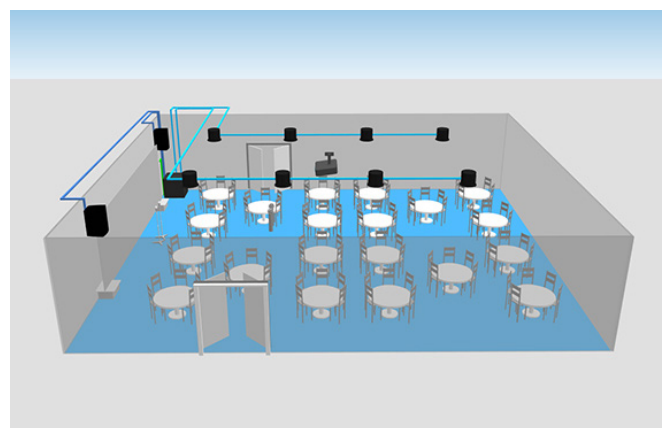
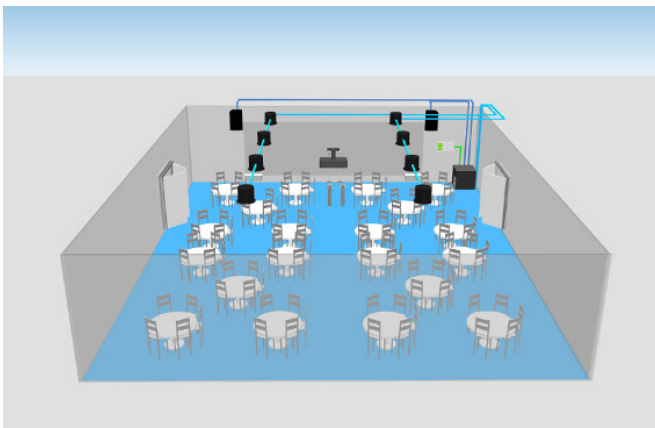
### High quality audio for presentations

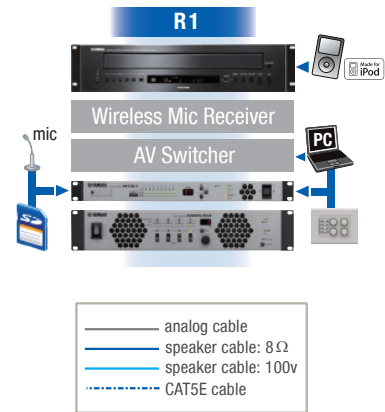
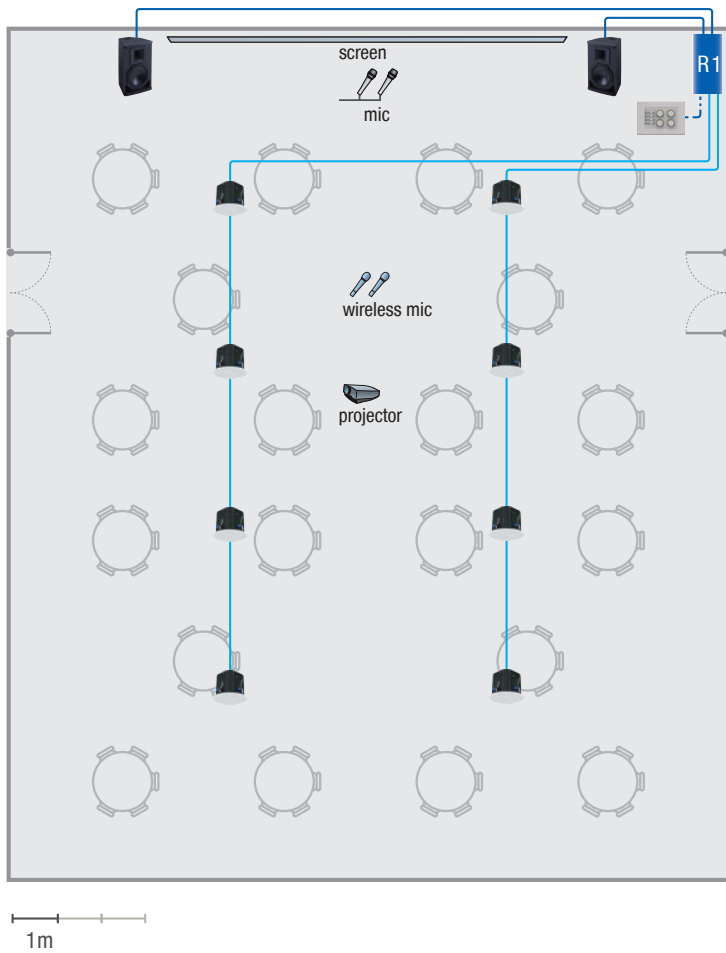
#### System Overview

One of the main requirements for this application is that the audio system should be flexible enough to adapt to the needs of various events that are held at the facility. For presentations, speakers on either side of the main screen provide the main sound at the front of the room while ceiling speakers provide reinforcement throughout the room. The ceiling speakers also provide uniform sound distribution for BGM.

#### Key Features

- Settings for a variety of applications can be preset in the MTX matrix processor and easily recalled via the DCP control panel switches when needed.
- The MTX processor also includes an Auto Gain Control function that automatically adjusts the volume levels of different sources so that they are consistent, a Priority Ducker function that automatically reduces the music level when microphone input is detected, and more.
- The XMV power amplifier can simultaneously drive low and high impedance speaker systems, occupying a minimum amount of rack space in systems that use both types of speaker systems.







## Component List


Name	VXS8 speaker	IF2108 speaker	DCP4V4S controller	XMV4280 amplifier	MTX3 matrix
Qty	8	2	1	1	1
Name	CD-C600RK CD player				
Qty	1				

## Cable List


Name	analog cable	speaker cable: 8Ω	speaker cable: 100v	CAT5E cable
Length	25m	25m	50m	10m


<b>VXC8 ceiling speaker</b>  	<b>Speaker type</b> 2-way, Coaxial type, Acoustic suspension <b>Components</b> LF 8" Cone HF 1" Soft dome <b>Coverage Angle</b> 100° conical <b>Nominal Impedance</b> 8Ω <b>Power Rating</b> PGM 180W <b>Sensitivity</b> (1W,1m) 90dB SPL <b>Frequency Range</b> (-10dB) 55Hz - 20kHz <b>Connectors</b> 1x Euroblock (4P) (Input: + / -, Loop Thru: + / -) <b>Transformer Taps</b> 70V 60W (83Ω), 30W (170Ω), 15W (330Ω), 7.5W (670Ω) 100V 60W (170Ω), 30W (330Ω), 15W (670Ω) <b>Dimensions</b> (Ø x H) Ø325 x 295mm (Ø12.8 x 11.6") <b>Weight</b> 6.6kg (14.6lbs)
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<b>MTX3 matrix</b>  	<b>Mixing Capacity</b> Mixing Channel : 8 Mono + 3 Stereo + 2 Effect Return + 8 Insert Output Busses : 8 Mono <b>Input CH Functions</b> Mono CH : 3-band PEQ, Comp, Gate, Auto Gain Control, Feedback suppressor (only available in ch 1-4) Stereo CH: 3-band PEQ, Comp, Auto Gain Control 48kHz / 44.1kHz <b>Sampling frequency</b> <b>Signal delay</b> Less than 2.5ms (AD-DA @48kHz) <b>Frequency Response</b> 20Hz to 20kHz, +0.5dB, -1.5dB <b>Dynamic range</b> 107dB (Gain:-6dB) <b>Power Requirements</b> AC100V-240V; 50Hz / 60Hz <b>Dimensions (W x H x D)</b> 480 x 44 x 362mm (18.9" x 1.7" x 14.3") <b>Weight</b> 4.8kg (10.6lbs)
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<b>IF2108 speaker</b>  	<b>Components</b> LF 8" woofer, 2" voice coil HF Rotatable contant directivity horn, 1" exit, 1.7" voice coil compression driver <b>Coverage Angle</b> 90° x 60° (rotatable) <b>Nominal Impedance</b> 8Ω <b>Power Rating</b> PGM 200W <b>Sensitivity</b> (1W,1m) 95dB SPL <b>Continuous SPL</b> (calculated) 115dB SPL <b>Frequency Range</b> (-10dB) 55Hz - 19kHz <b>Connectors</b> 2 x NL4 and barrier strip, wired in parallel <b>Dimensions (W x H x D)</b> 283 x 448 x 250mm (11.1" x 17.6" x 9.8") <b>Weight</b> 14.0kg (31.0lbs)
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<b>CD-C600RK CD player</b>  	<b>Frequency Response(±0.5dB)</b> 20Hz-20kHz <b>Harmonic Distortion+Noise</b> ≤0.003% <b>Signal-to-Noise Ratio</b> ≥105dB <b>Dynamic range</b> ≥96 dB <b>Output Level (1kHz, 0dB)</b> 2±0.3V <b>Dimensions (W x H x D)</b> 480 x116 x 405mm (18.9" x 4-5/8" x 16") <b>Weight</b> 6.9kg (15.2lbs)
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<b>DCP4V4S controller</b>  	<b>Connectors</b> 2x RJ45 <b>Wiring</b> Max cable length up to 200m, Up to 8 controllers per 1MTX with CAT5 cable <b>Control</b> RS485, Power over Ethernet <b>Dimensions (WxHxD)</b> US: 162 x 120 x 47mm (6.4 x 5.5 x 1.9") EU: 147 x 86 x 47mm (5.8 x 3.4 x 1.9") not including wall box <b>Weight</b> US: 235g (0.52lbs) EU: 175g (0.39lbs)
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<b>XMV4280 Amplifier</b>  	<b>Output Power</b> 4Ω / 8Ω 280W x 4 1kHz, THD+N = 1% 4Ω/ Double Power Mode 560W x 2 8Ω/ Double Power Mode 560W x 2 <b>High impedance</b> 100V line/70V line 250W x 4 <b>Voltage Gain</b> RL=8Ω 31.7dB RL=8Ω/Double Power Mode 34.7dB 100V 38.2dB 70V 35.2dB +4dBu <b>Input Sensitivity</b> RL=8Ω <b>S/N Ratio</b> A-weighted ≥ 100dB <b>THD+N</b> 1kHz, half power ≤ 0.2% <b>Frequency Response</b> RL=8Ω, 100V/70V, Po=1W, 0dB, ±1.0dB 20Hz - 20kHz <b>Maximum Input Level</b> +24dBu <b>Power Requirements</b> 100V, 120V, 230V-240V; 50Hz/60Hz <b>Dimensions (WxHxD)</b> 480 x 88 x 422mm (18.9" x 3.5" x 16.6") <b>Weight</b> 8.1kg (17.9lbs)
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