

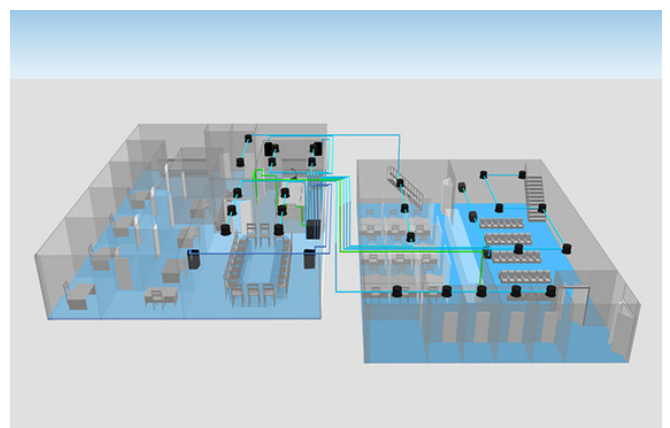
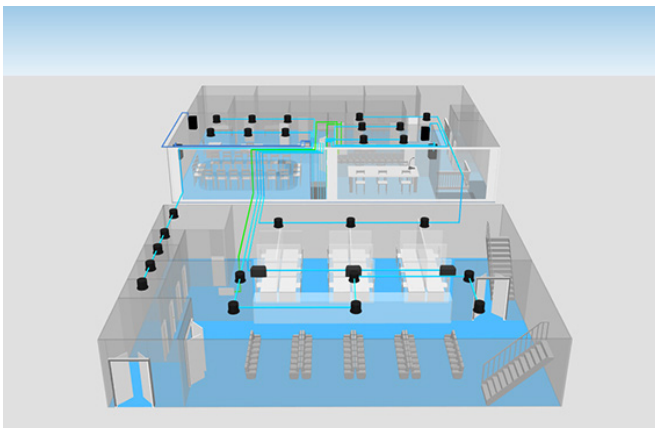
Paging for public areas plus presentation systems for meeting rooms

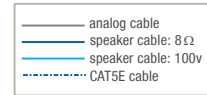
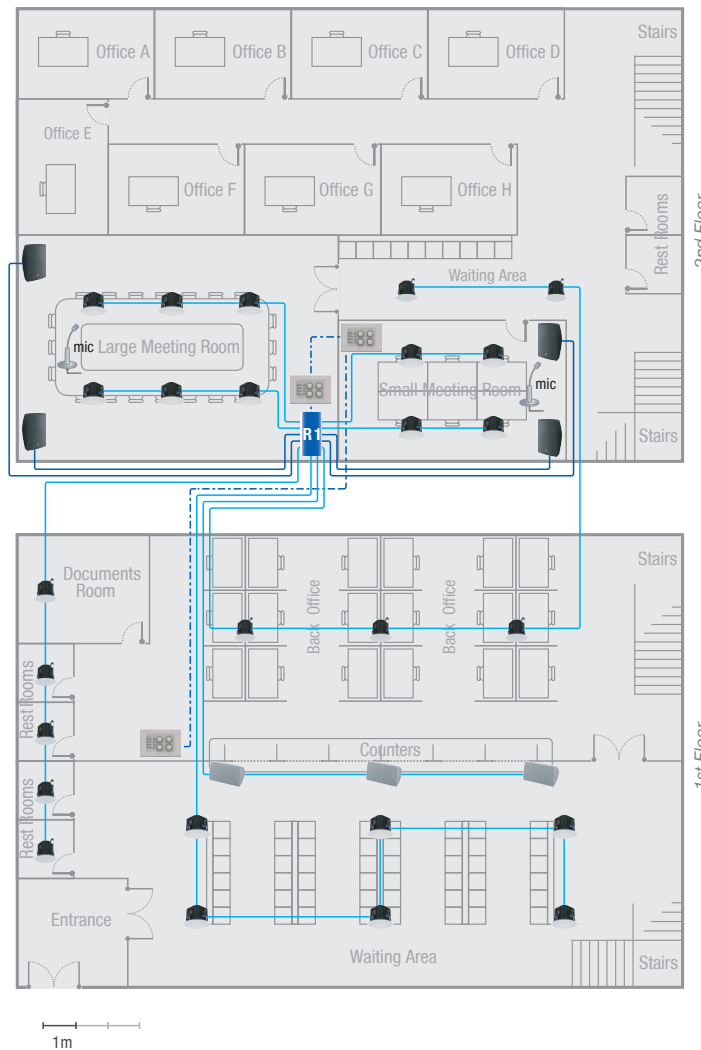
System Overview

This application is an example of a system that can service the entire building with announcements and BGM, while providing PA and music playback facilities for presentations in individual rooms as well. All equipment other than the speakers is located in a central machine room, while controllers in each room or area allow remote operation and adjustment.

Key Features

- An MTX matrix processor makes it possible to deliver announcements and BGM to the entire building while presentations are taking place in individual rooms.
- Source selection and volume adjustment can be easily carried out via DCP control panels.
- A scheduler function provides automatic playback of announcements or other material at preset times.







Component List


Name	VXC4 ceiling speaker	VXC6 ceiling speaker	VXS8 speaker	VXS5 speaker	DCP4V4S controller
Unit	10	16	4	3	3
Name	XMV8140 amplifier	XMV4280 amplifier	MTX3 matrix	CD-C600RK CD player	
Unit	1	1	1	2	


Cable List


Name	analog cable	speaker cable: 8Ω	speaker cable: 100v	CAT5E cable
Length	30m	65m	225m	45m


VXC4 ceiling speaker 	Speaker type Full range, Bass reflex Components 4" Full range Coverage Angle 130° conical Nominal Impedance 8Ω
	Power Rating PGM 60W Sensitivity (1W,1m) 87dB SPL Frequency Range (-10dB) 80Hz - 20kHz Connectors 1x Euroblock (4P) (Input: + / -, Loop Thru: + / -) Transformer Taps 70V 30W (170Ω), 15W (330Ω), 7.5W (670Ω), 3.8W (1.3kΩ) 100V 30W (330Ω), 15W (670Ω), 7.5W (1.3kΩ) Dimensions (Ø x H) Ø225 x 195mm (Ø8.9 x 7.7") Weight 2.6kg (5.7lbs)


DCP4V4S controller 	Connectors Wiring 2x RJ45 Max cable length up to 200m, Up to 8 controllers per TMTX with CAT5 cable
	Control Dimensions (WxHxD) RS485, Power over Ethernet 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 US: 235g (0.52lbs) EU: 175g (0.39lbs)
Weight	


VXC6 ceiling speaker 	Speaker type 2-way, Coaxial type, Acoustic suspension Components LF 6.5" Cone HF 0.75" Soft dome Coverage Angle 110° conical Nominal Impedance 8Ω
	Power Rating PGM 150W Sensitivity (1W,1m) 86dB SPL Frequency Range (-10dB) 56Hz - 20kHz Connectors 1x Euroblock (4P) (Input: + / -, Loop Thru: + / -) Transformer Taps 70V 60W (83Ω), 30W (170Ω), 15W (330Ω), 7.5W (670Ω) 100V 60W (170Ω), 30W (330Ω), 15W (670Ω) Dimensions (Ø x H) Ø286 x 205mm (Ø11.3" x 8.1") Weight 4.4kg (9.7lbs)

XMV8140 Amplifier 	Output Power 4Ω / 8Ω 140W x 8 1kHz, THD+N = 1% 4Ω/ Double Power Mode 280W x 4 8Ω/ Double Power Mode 280W x 4
	High impedance Voltage Gain 100V line/70V line 125W x 8 RL=8Ω 28.7dB RL=8Ω/Double Power Mode 31.7dB 100V 38.2dB 70V 35.2dB RL=8Ω +4dBu
Input Sensitivity RL=8Ω S/N Ratio A-weighted ≥ 100dB THD+N 1kHz, half power ≤ 0.2% Frequency Response RL=8Ω, 100V/70V, Po=1W, 0dB, ±1.0dB 20Hz - 20kHz Maximum Input Level +24dBu Power Requirements 100V, 120V, 230V-240V; 50Hz/60Hz Dimensions (WxHxD) 480 x 88 x 422mm (18.9" x 3.5" x 16.6") Weight 10.1kg (22.3lbs)	

VXS8 speaker 	Speaker type 2-way, Bass reflex Components LF 8" Cone HF 1" Soft dome Coverage Angle (H x V) 100° x 100° Nominal Impedance 8Ω
	Power Rating PGM 180W Sensitivity (1W,1m) 91dB SPL Frequency Range (-10dB) 51Hz - 20kHz Connectors 1x Euroblock (4P) (Input: + / -, Loop Thru: + / -) Transformer Taps 70V 60W (83Ω), 30W (170Ω), 15W (330Ω), 7.5W (670Ω) 100V 60W (170Ω), 30W (330Ω), 15W (670Ω) Environmental IP35 Dimensions (W x H x D) 278 x 430 x 239mm (10.9 x 16.9 x 9.4") Weight 8.2kg (18.1lbs)

XMV4280 Amplifier 	Output Power 4Ω / 8Ω 280W x 4 1kHz, THD+N = 1% 4Ω/ Double Power Mode 560W x 2 8Ω/ Double Power Mode 560W x 2
	High impedance Voltage Gain 100V line/70V line 250W x 4 RL=8Ω 31.7dB RL=8Ω/Double Power Mode 34.7dB 100V 38.2dB 70V 35.2dB RL=8Ω +4dBu
Input Sensitivity RL=8Ω S/N Ratio A-weighted ≥ 100dB THD+N 1kHz, half power ≤ 0.2% Frequency Response RL=8Ω, 100V/70V, Po=1W, 0dB, ±1.0dB 20Hz - 20kHz Maximum Input Level +24dBu Power Requirements 100V, 120V, 230V-240V; 50Hz/60Hz Dimensions (WxHxD) 480 x 88 x 422mm (18.9" x 3.5" x 16.6") Weight 8.1kg (17.9lbs)	

VXS5 speaker 	Speaker type 2-way, Bass reflex Components LF 5.25" Cone HF 0.75" Soft dome Coverage Angle (H x V) 120° x 120° Nominal Impedance 8Ω
	Power Rating PGM 150W Sensitivity (1W,1m) 89dB SPL Frequency Range (-10dB) 62Hz - 20kHz Connectors 1x Euroblock (4P) (Input: + / -, Loop Thru: + / -) Transformer Taps 70V 30W (170Ω), 15W (330Ω), 7.5W (670Ω), 3.8W (1.3kΩ) 100V 30W (330Ω), 15W (670Ω), 7.5W (1.3kΩ) Environmental IP35 Dimensions (W x H x D) 176 x 280 x 163mm (6.9 x 11.0 x 6.4") Weight 3.6kg (7.9lbs)

MTX3 matrix 	Mixing Capacity Mixing Channel : 8 Mono + 3 Stereo + 2 Effect Return + 8 Insert Output Busses : 8 Mono
	Input CH Functions 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
Sampling frequency Less than 2.5ms (AD-DA @48kHz) Signal delay 20Hz to 20kHz, +0.5dB, -1.5dB Frequency Response 107dB (Gain: -6dB) Dynamic range AC100V-240V; 50Hz / 60Hz Power Requirements 480 x 44 x 362mm (18.9" x 1.7" x 14.3") Dimensions (W x H x D) Weight 4.8kg (10.6lbs)	

CD-C600RK CD player	<table> <tr> <td>Frequency</td> <td>20Hz-20kHz</td> </tr> <tr> <td>Response(±0.5dB)</td> <td></td> </tr> <tr> <td>Harmonic</td> <td>≤0.003%</td> </tr> <tr> <td>Distortion+Noise</td> <td></td> </tr> <tr> <td>Signal-to-Noise Ratio</td> <td>≥105dB</td> </tr> <tr> <td>Dynamic range</td> <td>≥96 dB</td> </tr> <tr> <td>Output Level</td> <td>2±0.3V</td> </tr> <tr> <td>(1kHz, 0dB)</td> <td></td> </tr> <tr> <td>Dimensions</td> <td>480 x116 x 405mm</td> </tr> <tr> <td>(W x H x D)</td> <td>(18.9" x 4-5/8" x 16")</td> </tr> <tr> <td>Weight</td> <td>6.9kg (15.2lbs)</td> </tr> </table>	Frequency	20Hz-20kHz	Response(±0.5dB)		Harmonic	≤0.003%	Distortion+Noise		Signal-to-Noise Ratio	≥105dB	Dynamic range	≥96 dB	Output Level	2±0.3V	(1kHz, 0dB)		Dimensions	480 x116 x 405mm	(W x H x D)	(18.9" x 4-5/8" x 16")	Weight	6.9kg (15.2lbs)
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