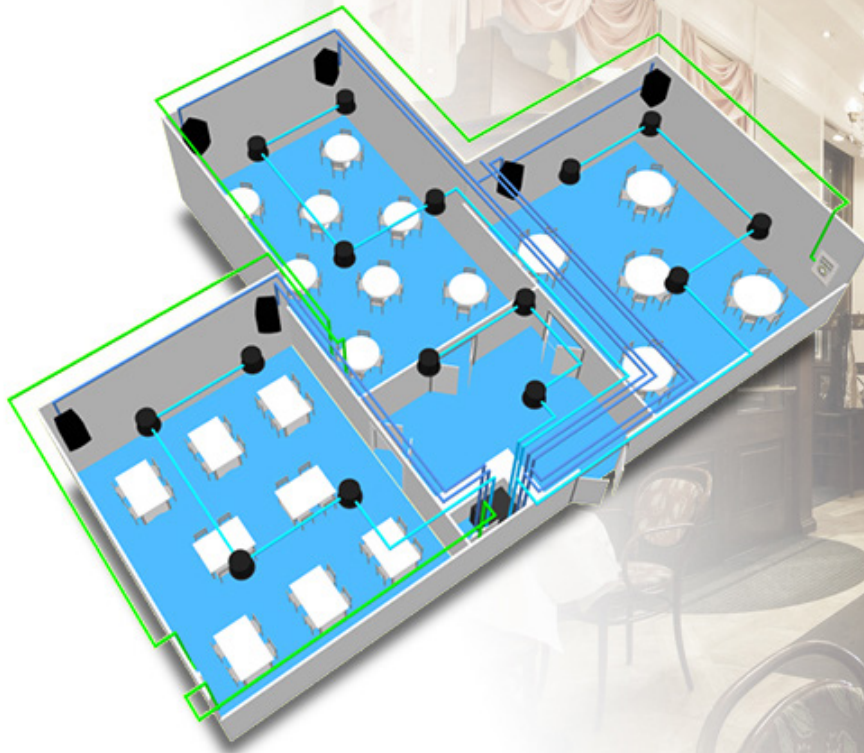


Restaurant: medium



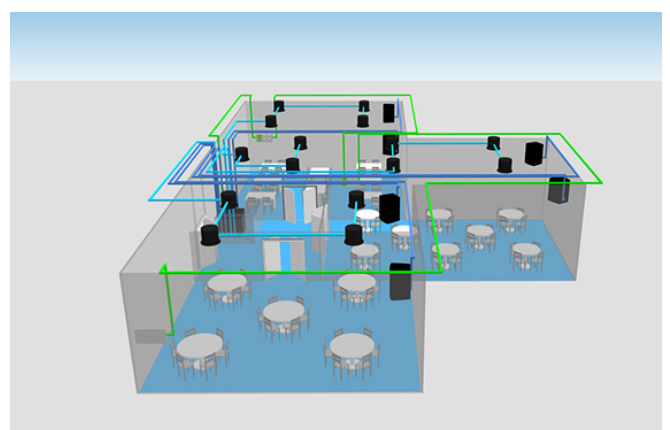
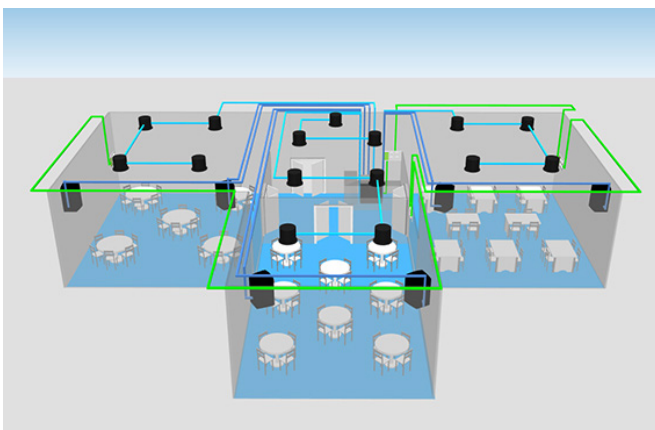
Four zones with stereo BGM

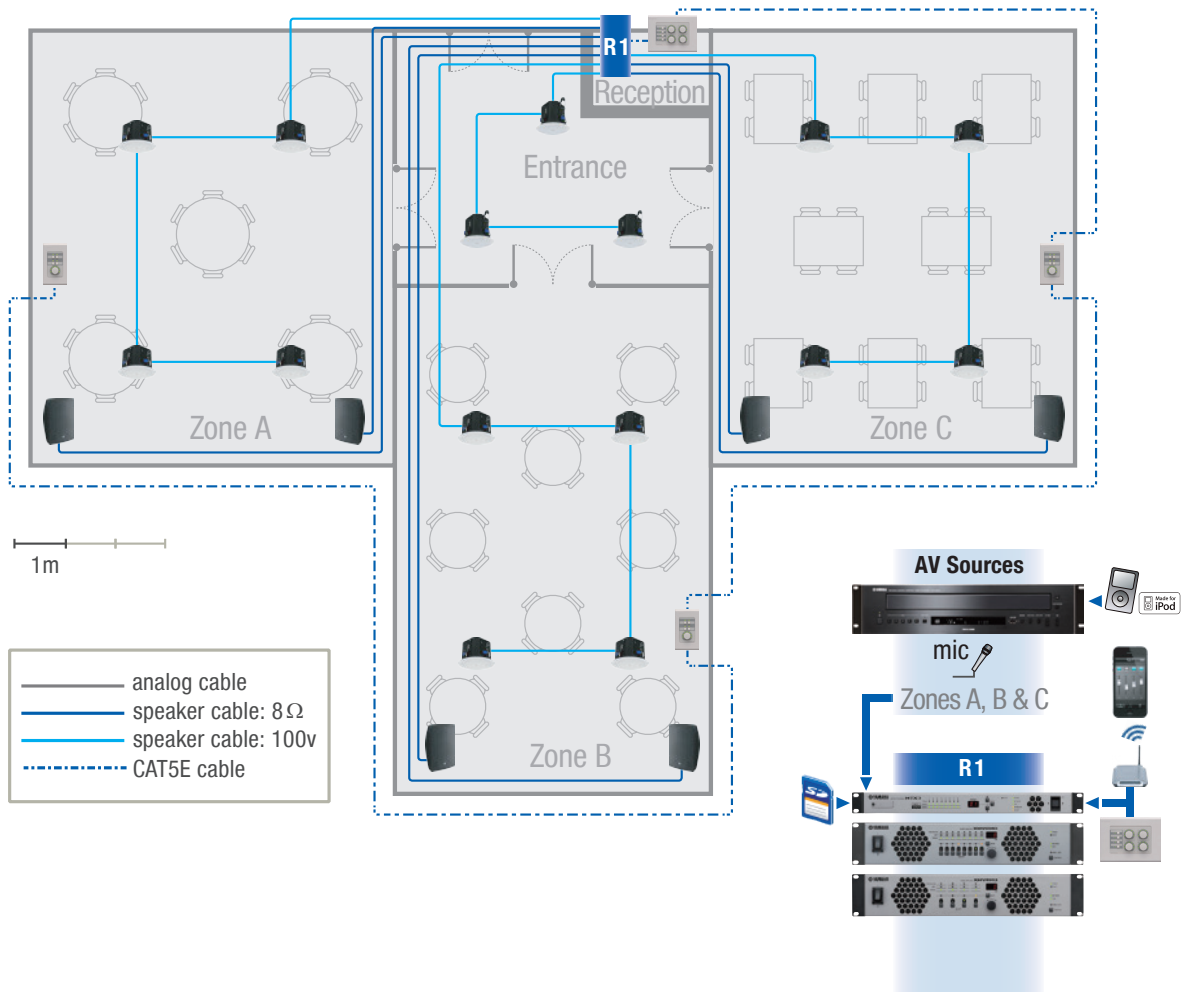
System Overview

In this case the area is divided into four zones with different concepts requiring individual music sources and volume control. It is also possible to broadcast announcements or the same music to all zones when necessary. Adjustments can be made from a central controller in the reception area.

Key Features

- An MTX matrix processor makes it easy to deliver different audio sources to each zone with independent volume control.
- The MTX processor has an SD card slot and scheduler feature that can be used to play pre-recorded music, chimes, or announcements at specified times during the day.
- An Ambient Noise Compensator function automatically adjusts volume according to background noise levels, minimizing the need for manual adjustments.







Component List


Name	VXC4 ceiling speaker	VXC6 ceiling speaker	VXS8 speaker	DCP4V4S controller	DCP1V4S controller
Qty	3	12	6	1	3
Name	XMV8140 amplifier	XMV4140 amplifier	MTX3 matrix	CD-C600RK CD player	
Qty	1	1	1	1	


Cable List


Name	analog cable	speaker cable: 8Ω	speaker cable: 100v	CAT5E cable
Length	10m	135m	90m	80m


	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)
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	DCP1V4S controller	Connectors 2x RJ45 Wiring Max cable length up to 200m, Up to 8 controllers per 1MTX with CAT5 cable Control RS485, Power over Ethernet Dimensions (WxHxD) US: 70 x 120 x 47mm (2.8 x 5.5 x 1.9") EU: 86 x 86 x 47mm (3.4 x 3.4 x 1.9") not including wall box Weight US: 118g (0.26lbs) EU: 110g (0.24lbs)
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	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)
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	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 100V line/70V line 125W x 8 Voltage Gain RL=8Ω 28.7dB RL=8Ω/Double Power Mode 31.7dB 100V 38.2dB 70V 35.2dB Input Sensitivity RL=8Ω +4dBu 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)
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	VXC8 ceiling speaker	Speaker type 2-way, Coaxial type, Acoustic suspension Components LF 8" Cone HF 1" Soft dome Coverage Angle 100° conical Nominal Impedance 8Ω Power Rating PGM 180W Sensitivity (1W,1m) 90dB SPL Frequency Range (-10dB) 55Hz - 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) Ø325 x 295mm (Ø12.8 x 11.6") Weight 6.6kg (14.6lbs)
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	XMV4140 Amplifier	Output Power 4Ω / 8Ω 140W x 4 1kHz, THD+N = 1% 4Ω/ Double Power Mode 280W x 2 8Ω/ Double Power Mode 280W x 2 High impedance 100V line/70V line 125W x 4 Voltage Gain RL=8Ω 28.7dB RL=8Ω/Double Power Mode 31.7dB 100V 38.2dB 70V 35.2dB Input Sensitivity RL=8Ω +4dBu 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)
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	DCP4V4S controller	Connectors 2x RJ45 Wiring Max cable length up to 200m, Up to 8 controllers per 1MTX with CAT5 cable Control RS485, Power over Ethernet Dimensions (WxHxD) 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 Weight US: 235g (0.52lbs) EU: 175g (0.39lbs)
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	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 Sampling frequency 48kHz / 44.1kHz Signal delay Less than 2.5ms (AD-DA @48kHz) Frequency Response 20Hz to 20kHz, +0.5dB, -1.5dB Dynamic range 107dB (Gain: -6dB) Power Requirements AC100V-240V; 50Hz / 60Hz Dimensions (W x H x D) 480 x 44 x 362mm (18.9" x 1.7" x 14.3") Weight 4.8kg (10.6lbs)
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CD-C600RK CD player	<table> <tr> <td>Frequency Response(± 0.5dB)</td> <td>20Hz-20kHz</td> </tr> <tr> <td>Harmonic Distortion+Noise</td> <td>$\leq 0.003\%$</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 (1kHz, 0dB)</td> <td>2 ± 0.3V</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>480 x 116 x 405mm (18.9" x 4-5/8" x 16")</td> </tr> <tr> <td>Weight</td> <td>6.9kg (15.2lbs)</td> </tr> </table>	Frequency Response(± 0.5 dB)	20Hz-20kHz	Harmonic Distortion+Noise	$\leq 0.003\%$	Signal-to-Noise Ratio	≥ 105 dB	Dynamic range	≥ 96 dB	Output Level (1kHz, 0dB)	2 ± 0.3 V	Dimensions (W x H x D)	480 x 116 x 405mm (18.9" x 4-5/8" x 16")	Weight	6.9kg (15.2lbs)
Frequency Response(± 0.5 dB)	20Hz-20kHz														
Harmonic Distortion+Noise	$\leq 0.003\%$														
Signal-to-Noise Ratio	≥ 105 dB														
Dynamic range	≥ 96 dB														
Output Level (1kHz, 0dB)	2 ± 0.3 V														
Dimensions (W x H x D)	480 x 116 x 405mm (18.9" x 4-5/8" x 16")														
Weight	6.9kg (15.2lbs)														
