

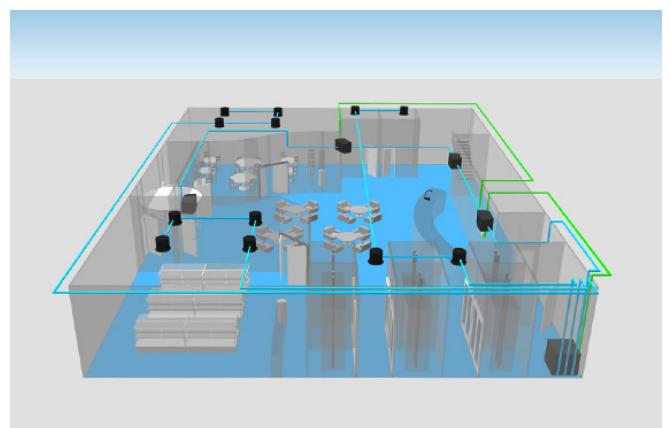
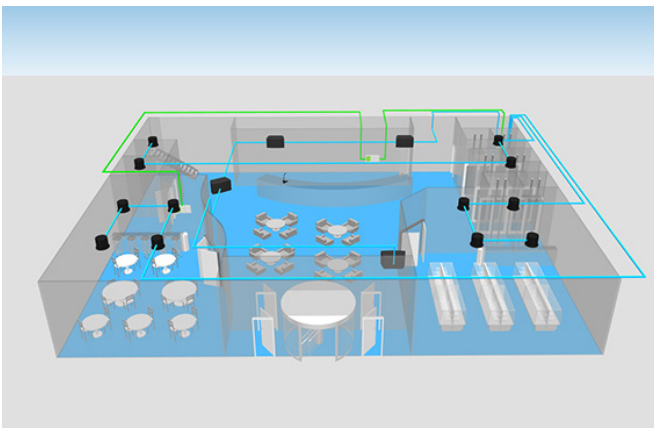
## BGM and paging to four zones

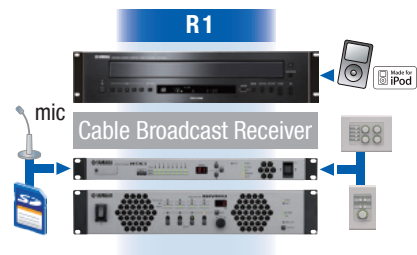
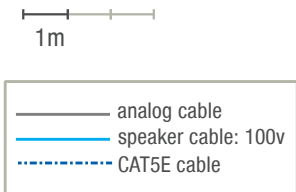
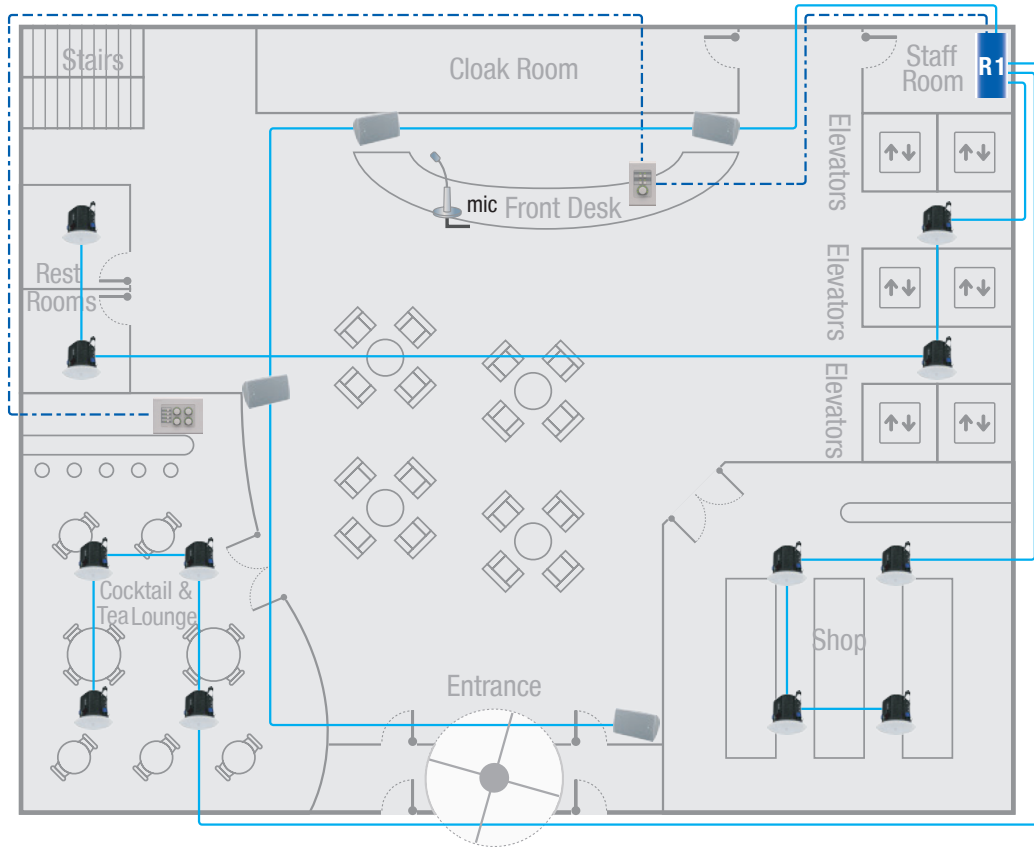
### System Overview

Hotel lobbies usually have a number of adjoining areas. In this particular case BGM is delivered to four separate zones: the main lobby area, shop, lounge, and elevator hall. Independent volume control is provided for each zone. It is also possible to supply each zone with different music to accompany seasonal events held in specific zones, for example.

### Key Features

- Yamaha CIS speaker systems are specially designed for music reproduction and are the best solution for BGM applications, even when only low volume levels are required.
- An MTX matrix processor and XMV multi-channel amplifier make it possible to deliver different sources to different zones from a central location.
- The Priority Ducker function provided in the MTX processor enhances announcement intelligibility by lowering the volume of the music when announcements are made.







### Component List


Name	VXC4 ceiling speaker	VXC5 speaker	DCP4V4S controller	DCP1V4S controller	XMV4140 amplifier
Qty	12	4	1	1	1
Name	MTX3 matrix	CD-C600RK CD player			
Qty	1	1			


### Cable List


Name	analog cable	speaker cable: 100v	CAT5E cable
Length	20m	180m	60m


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


<b>XMV4140 Amplifier</b>  	<b>Output Power</b> 4Ω / 8Ω 140W x 4 1kHz, THD+N = 1% 4Ω / Double Power Mode 280W x 2 8Ω / Double Power Mode 280W x 2 100V line/70V line 125W x 4 <b>High impedance Voltage Gain</b> RL=8Ω 28.7dB RL=8Ω/Double Power Mode 31.7dB 100V 38.2dB 70V 35.2dB <b>Input Sensitivity</b> RL=8Ω +4dBu <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</b> (WxHxD) 480 x 88 x 422mm (18.9" x 3.5" x 16.6") <b>Weight</b> 8.1kg (17.9lbs)
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<b>VXS5 speaker</b>  	<b>Speaker type</b> 2-way, Bass reflex <b>Components</b> LF 5.25" Cone HF 0.75" Soft dome <b>Coverage Angle</b> (H x V) 120° x 120° <b>Nominal Impedance</b> 8Ω
	<b>Power Rating</b> PGM 150W <b>Sensitivity</b> (1W,1m) 89dB SPL <b>Frequency Range</b> (-10dB) 62Hz - 20kHz <b>Connectors</b> 1x Euroblock (4P) (Input: + / -, Loop Thru: + / -) <b>Transformer Taps</b> 70V 30W (170Ω), 15W (330Ω), 7.5W (670Ω), 3.8W (1.3kΩ) 100V 30W (330Ω), 15W (670Ω), 7.5W (1.3kΩ) <b>Environmental</b> IP35 <b>Dimensions</b> (W x H x D) 176 x 280 x 163mm (6.9 x 11.0 x 6.4") <b>Weight</b> 3.6kg (7.9lbs)

<b>MTX3 matrix</b>  	<b>Mixing Capacity</b> Mixing Channel : 8 Mono + 3 Stereo + 2 Effect Return + 8 Insert Output Busses : 8 Mono 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 <b>Input CH Functions</b> 48kHz / 44.1kHz <b>Sampling frequency</b> Less than 2.5ms (AD-DA @48kHz) <b>Signal delay</b> 20Hz to 20kHz, +0.5dB, -1.5dB <b>Frequency Response</b> 107dB (Gain: -6dB) <b>Dynamic range</b> AC100V-240V; 50Hz / 60Hz <b>Power Requirements</b> 480 x 44 x 362mm (18.9" x 1.7" x 14.3") <b>Dimensions</b> (W x H x D) 4.8kg (10.6lbs) <b>Weight</b>
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<b>DCP1V4S 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</b> (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" ) <b>Weight</b> not including wall box US: 118g (0.26lbs) EU: 110g (0.24lbs)
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<b>CD-C600RK CD player</b>  	<b>Frequency Response</b> 20Hz-20kHz <b>Response(±0.5dB)</b> ≤0.003% <b>Harmonic Distortion+Noise</b> ≥105dB <b>Signal-to-Noise Ratio</b> ≥96 dB <b>Dynamic range</b> 2±0.3V <b>Output Level</b> (1kHz, 0dB) <b>Dimensions</b> (W x H x D) 480 x 116 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</b> (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") <b>Weight</b> not including wall box US: 235g (0.52lbs) EU: 175g (0.39lbs)
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