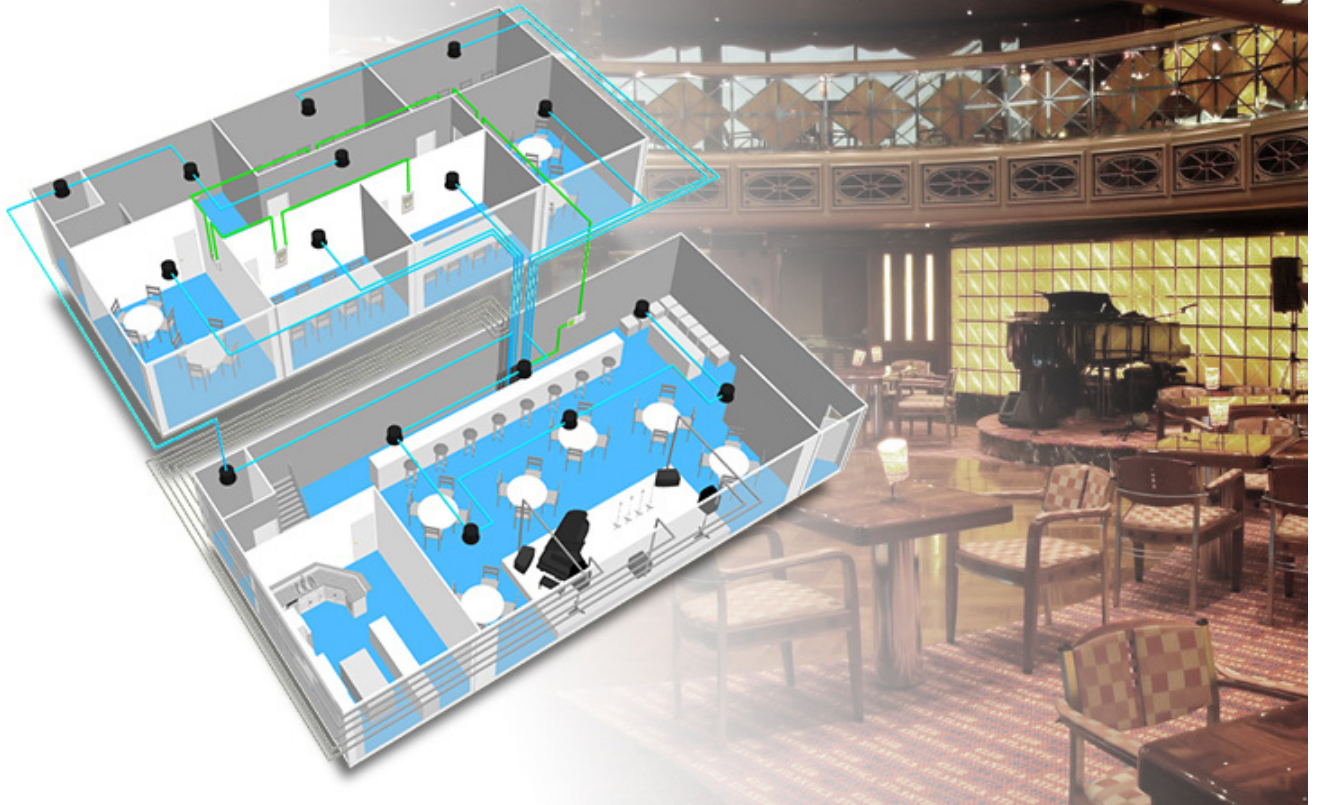


## Piano Bar with Private Rooms



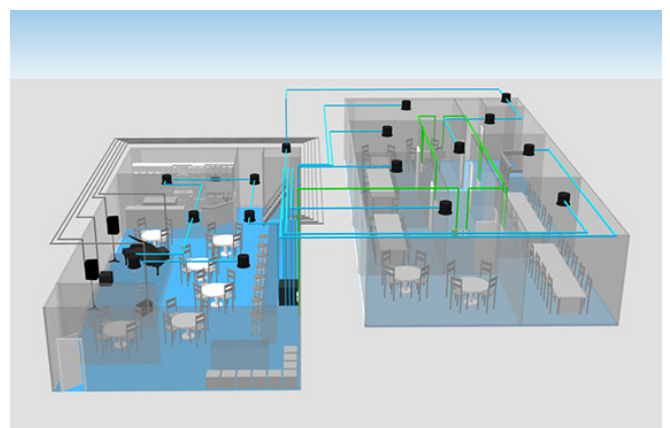
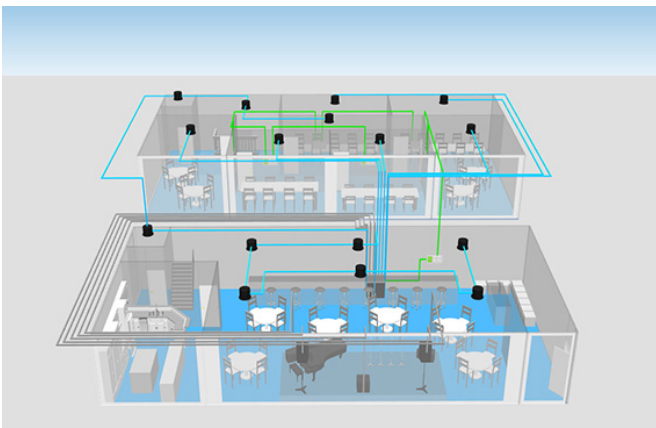
### Live sound system plus individually zoned private rooms

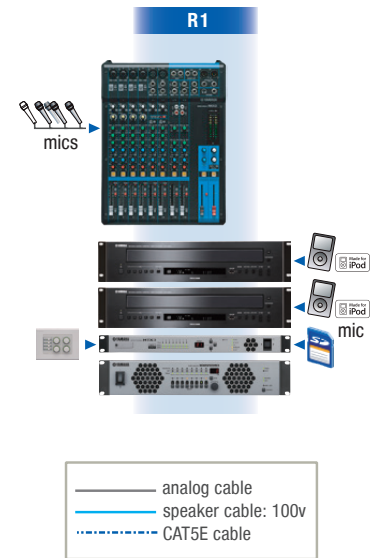
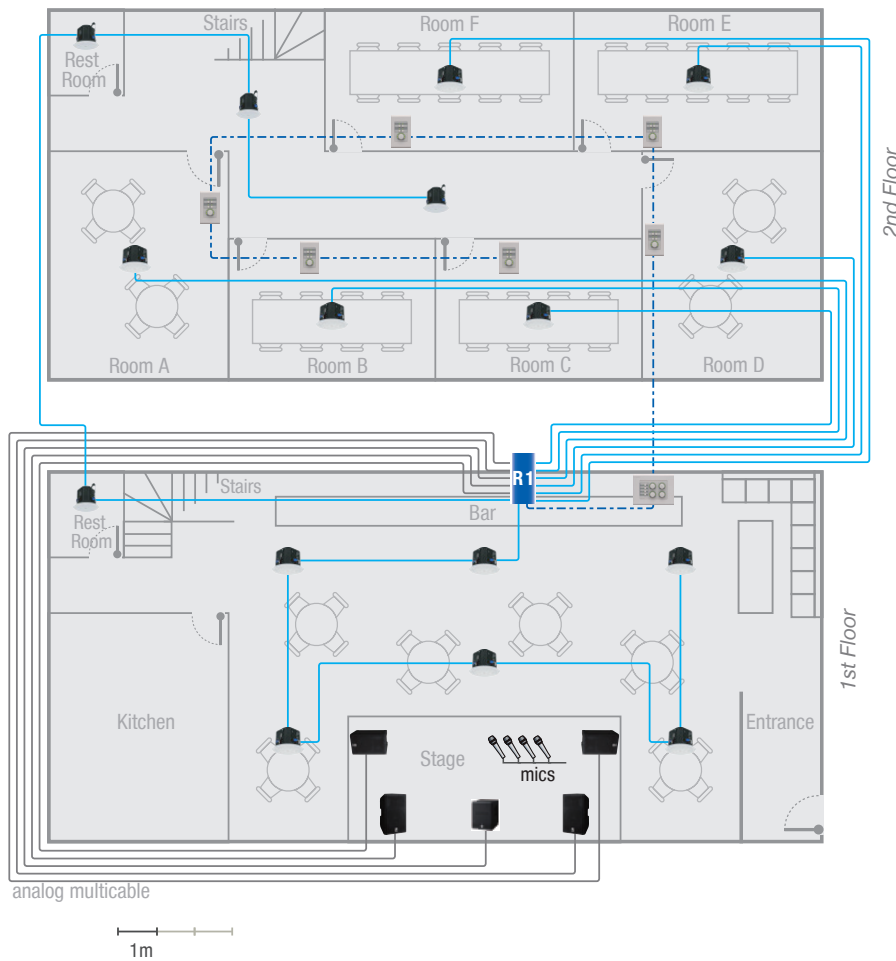
#### System Overview

Here we have a piano bar where a live sound system for live events is provided in the main seating area, in addition to BGM for the main seating area and private rooms. Live sound can be delivered via both the main speakers in the main seating area and speakers installed in the private rooms. The main seating area and private rooms are all assigned to separate zones, allowing different program material to be fed to each with independent volume control.

#### Key Features

- DXR series powered speakers are a perfect choice for live events, offering high-definition sound in compact units that are suitable for permanent installation as well as temporary use.
- 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.
- Daily operations such as source selection and volume adjustment can be easily carried out via DCP control panels.







## Component List


Name	VXC4 ceiling speaker	VXC6 ceiling speaker	DXR12 powered speaker	DXR8 powered speaker	DXS15 powered subwoofer	DCP4V4S controller
Qty	4	12	2	2	1	1
Name	DCP1V4S controller	XMV8140 amplifier	MTX3 matrix	MG12 mixer	CD-C600RK CD player	
Qty	1	1	1	1	2	


## Cable List


Name	analog cable	speaker cable: 100v	CAT5E cable
Length	35m	170m	10m


<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>DXS15 powered subwoofer</b> 	<b>Speaker type</b> Powered subwoofer, Band-pass type <b>Components</b> 15" cone, 2.5" voice coil <b>Maximum SPL</b> (1m, on axis) 132dB SPL <b>Output Power</b> Dynamic 950W <b>Frequency Range</b> (-10dB) 45Hz - 160Hz <b>Connectors</b> INPUT XLR3-31 x 2 THRU XLR3-32 x 1 (parallel with INPUT 1)
	<b>Power Requirements</b> 100V - 240V, 50Hz/60Hz <b>Dimensions</b> (W x H x D) 478 x 618 x 624mm (18.8 x 24.3 x 24.5") <b>Weight</b> 38.0kg (83.8lbs)


<b>VXC6 ceiling speaker</b> 	<b>Speaker type</b> 2-way, Coaxial type, Acoustic suspension <b>Components</b> LF 6.5" Cone HF 0.75" Soft dome <b>Coverage Angle</b> 110° conical <b>Nominal Impedance</b> 8Ω
	<b>Power Rating</b> PGM 150W <b>Sensitivity</b> (1W,1m) 86dB SPL <b>Frequency Range</b> (-10dB) 56Hz - 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) Ø286 x 205mm (Ø11.3" x 8.1") <b>Weight</b> 4.4kg (9.7lbs)


<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 Dimensions (WxHxD)</b> 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)
	<b>Weight</b>

<b>DXR12 powered speaker</b> 	<b>Speaker type</b> 2-way, Bi-amp powered speaker <b>Components</b> LF 12" cone, 2.5" voice coil HF 1.4" diaphragm, 1" throat compression driver
	<b>Coverage Angle</b> (H x V) 90° x 60° <b>Maximum SPL</b> (1m, on axis) 132dB SPL <b>Output Power</b> Dynamic 1100W (LF: 950W, HF: 150W) <b>Frequency Range</b> (-10dB) 52Hz - 20kHz <b>Connectors</b> INPUT XLR3-31 x 1 INPUT2 Phone x 2 INPUT3 RCA PIN x 2 THRU XLR3-32 x 1 (parallel with INPUT 1) LINK OUT XLR x 1 <b>Power Requirements</b> 100V - 240V, 50Hz/60Hz <b>Dimensions</b> (W x H x D) 362 x 601 x 350mm (14.2 x 23.6 x 13.7") <b>Weight</b> 19.3kg (42.5lbs)

<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 Dimensions (WxHxD)</b> RS485, Power over Ethernet 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 US: 118g (0.26lbs) EU: 110g (0.24lbs)
	<b>Weight</b>

<b>DXR8 powered speaker</b> 	<b>Speaker type</b> 2-way, Bi-amp powered speaker <b>Components</b> LF 8" cone, 2" voice coil HF 1.4" diaphragm, 1" throat compression driver
	<b>Coverage Angle</b> (H x V) 90° x 60° <b>Maximum SPL</b> (1m, on axis) 129dB SPL <b>Output Power</b> Dynamic 1100W (LF: 950W, HF: 150W) <b>Frequency Range</b> (-10dB) 57Hz-20kHz <b>Connectors</b> INPUT XLR3-31 x 1 INPUT2 Phone x 2 INPUT3 RCA PIN x 2 THRU XLR3-32 x 1 (parallel with INPUT 1) LINK OUT XLR x 1 <b>Power Requirements</b> 100V - 240V, 50Hz/60Hz <b>Dimensions</b> (W x H x D) 280 x 458 x 280 mm (11.0" x 18.0" x 11.0") <b>Weight</b> 13.5kg (29.8lbs)

<b>XMV8140 Amplifier</b> 	<b>Output Power</b> 4Ω / 8Ω 140W x 8 1kHz, THD+N = 1% 4Ω/ Double Power Mode 280W x 4 8Ω/ Double Power Mode 280W x 4 <b>High impedance</b> 100V line/70V line 125W x 8 <b>Voltage Gain</b> RL=8Ω 28.7dB RL=8Ω/Double Power Mode 31.7dB 100V 38.2dB 70V 35.2dB RL=8Ω +4dBu
	<b>Input Sensitivity</b> S/N Ratio A-weighted ≥ 100dB THD+N 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> 10.1kg (22.3lbs)

<b>MTX3 matrix</b>	<p><b>Mixing Capacity</b> Mixing Channel : 8 Mono + 3 Stereo + 2 Effect Return + 8 Insert Output Busses :8 Mono</p> <p><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</p> <p><b>Sampling frequency</b> 48kHz / 44.1kHz</p> <p><b>Signal delay</b> Less than 2.5ms (AD-DA @48kHz)</p> <p><b>Frequency Response</b> 20Hz to 20kHz, +0.5dB, -1.5dB</p> <p><b>Dynamic range</b> 107dB (Gain:-6dB)</p> <p><b>Power Requirements</b> AC100V-240V; 50Hz / 60Hz</p> <p><b>Dimensions (W x H x D)</b> 480 x 44 x 362mm (18.9" x 1.7" x 14.3")</p> <p><b>Weight</b> 4.8kg (10.6lbs)</p>
	

<b>MG12 mixer</b>	<p><b>Input channels</b> Mono [MIC/LINE]: 4, Mono/Stereo [MIC/LINE]: 2, Stereo [LINE]: 2</p> <p><b>Output channels</b> STEREO OUT: 2, PHONES: 1, MONITOR OUT: 1, AUX SEND: 2, GROUP OUT: 2</p> <p><b>Bus</b> STEREO: 1, GROUP: 2, AUX: 2</p> <p><b>Input channel function</b></p> <p><b>PAD</b> CH 1-CH 4 26 dB</p> <p><b>HPF</b> CH 1-4, 80 Hz, 12 dB/oct</p> <p>5/6 (MIC), 7/8 (MIC)</p> <p><b>COMP</b> CH 1-CH 4 1 knob compressor</p> <p><b>EQ</b> CH 1-CH 7/8 HIGH, MID, LOW</p> <p>CH 9/10, CH 11/12 HIGH, LOW</p> <p><b>Phantom power</b> +48V</p> <p><b>Power requirements</b> AC 100-240 V, 50 Hz/60 Hz</p> <p><b>Dimensions (WxHxD)</b> 308 x 118 x 422 mm (9.6" x 2.8" x 11.6")</p> <p><b>Weight</b> 4.0kg (8.8 lbs.)</p> <p><b>Optional accessory</b> RK-MG12</p>
	

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