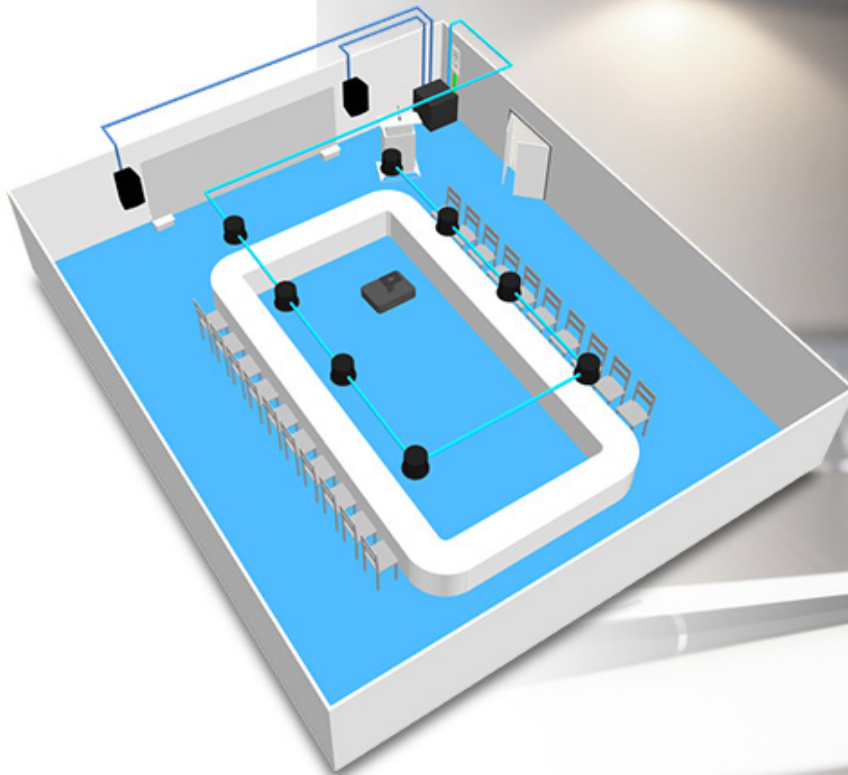# Conference Room: small

High quality audio for presentations

System Overview

Although this is a relatively simple conference room, it features a stereo speaker system installed to support video presentations shown on a screen. Ceiling speakers are also provided to ensure that speech and music are uniformly delivered to all attendees. The volume of the main stereo and ceiling speaker systems can be independently adjusted to match the application and number of participants.

Key Features

• Yamaha CIS speaker systems deliver high quality, well defined sound that can be a significant advantage in speech applications.

• The MA2030 is a compact amplifier designed for small applications that offers a range of powerful features, such as the capability to maintain constant volume levels across different sources.

• Source selection and volume adjustment can be easily carried out via DCP control panels.

analog cable
speaker cable: 8Ω
speaker cable: 100V
CAT5E cable
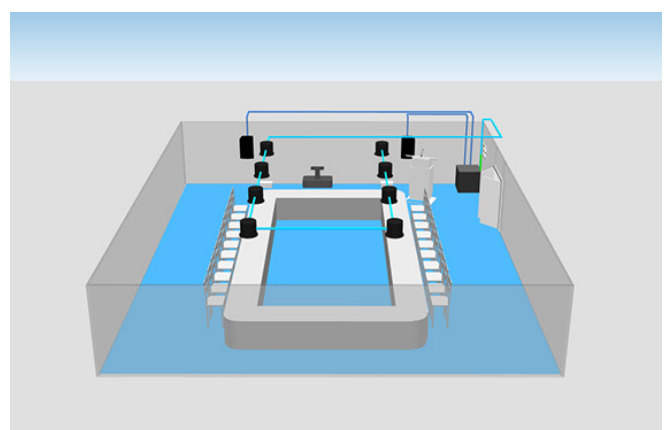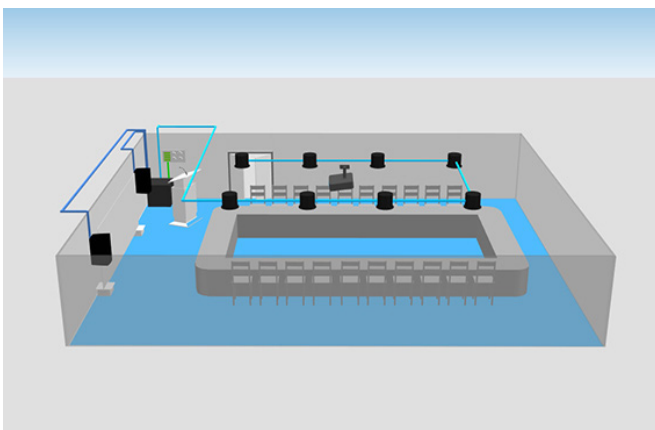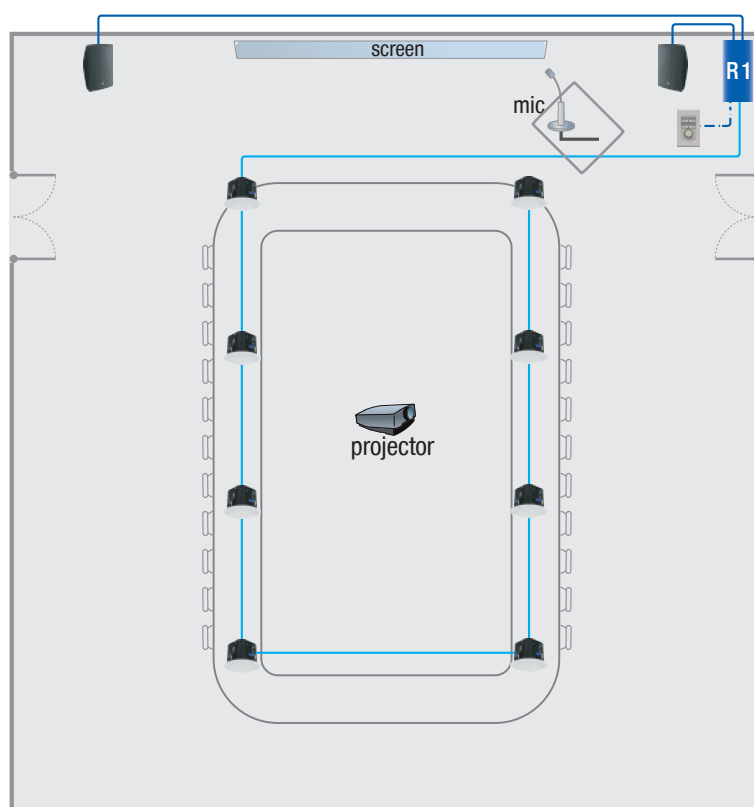
1m
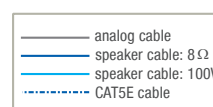
Component List

Name	VXC6 ceiling speaker	VXS8 speaker	DCP1V4S controller	MA2030 mixer amplifier	PA2030 amplifier
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	10m	25m	50m	10m

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)

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)

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)

MA2030 mixer amplifier

Output Power	1kHz, THD+N = 1%	3Ω/4Ω	30W x 2
	High impedance	70V/100V	60W x 1
Input Level (Stereo Input)	Unbalanced	Sensitivity	-10.0 dBV
		Nominal	-10.0 dBV
		Max before clip	+10.0 dBV
Output Level (Line Out)		Nominal	-10.0 dBV
THD+N	Stereo in (Line in) to Speaker out; 1kHz, 15W, 3Ω/4Ω		≤ 0.1%
	Stereo in (Line in) to Speaker out; 1kHz, 30W, 70V/100V		≤ 0.2%
Frequency Response	Stereo in to Line out; 20Hz to 20kHz		0dB, -2.5dB, +1.0dB
	Stereo in (Line in) to Speaker out; 50Hz to 20kHz, 1W, 3Ω/4Ω		0dB, -3.0dB, +1.0dB
	Stereo in (Line in) to Speaker out; 90Hz to 20kHz, 1W, 70V/100V		0dB, -3.0dB, +1.0dB
Power Requirement	100V, 120V, 230V-240V; 50Hz/60Hz		
Dimensions (WxHxD)	215 x 54 x 288 mm (8.5" x 2.1" x 11.4")		
Weight	1.8kg (4.0lbs)		

PA2030 mixer amplifier

Output Power	1kHz, THD+N = 1%	3Ω/4Ω	30W x 2
	High impedance	70V/100V	60W x 1
Input Level (Stereo Input)	Unbalanced	Sensitivity	-10.0 dBV
		Nominal	-10.0 dBV
		Max before clip	+10.0 dBV
	Balanced	Sensitivity	+4dBu
		Nominal	+4dBu
		Max before clip	+24dBu
THD+N	Stereo in (Line in) to Speaker out; 1kHz, 15W, 3Ω/4Ω		≤ 0.1%
	Stereo in (Line in) to Speaker out; 1kHz, 30W, 70V/100V		≤ 0.2%
Frequency Response	Stereo in (Line in) to Speaker out; 50Hz to 20kHz, 1W, 3Ω/4Ω		0dB, -3.0dB, +1.0dB
	Stereo in (Line in) to Speaker out; 90Hz to 20kHz, 1W, 70V/100V		0dB, -3.0dB, +1.0dB
Power Requirement	100V, 120V, 230V-240V; 50Hz/60Hz		
Dimensions (WxHxD)	215 x 54 x 288 mm (8.5" x 2.1" x 11.4")		
Weight	1.8kg (4.0lbs)		

CD-C600RK CD player

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