YAMAHA
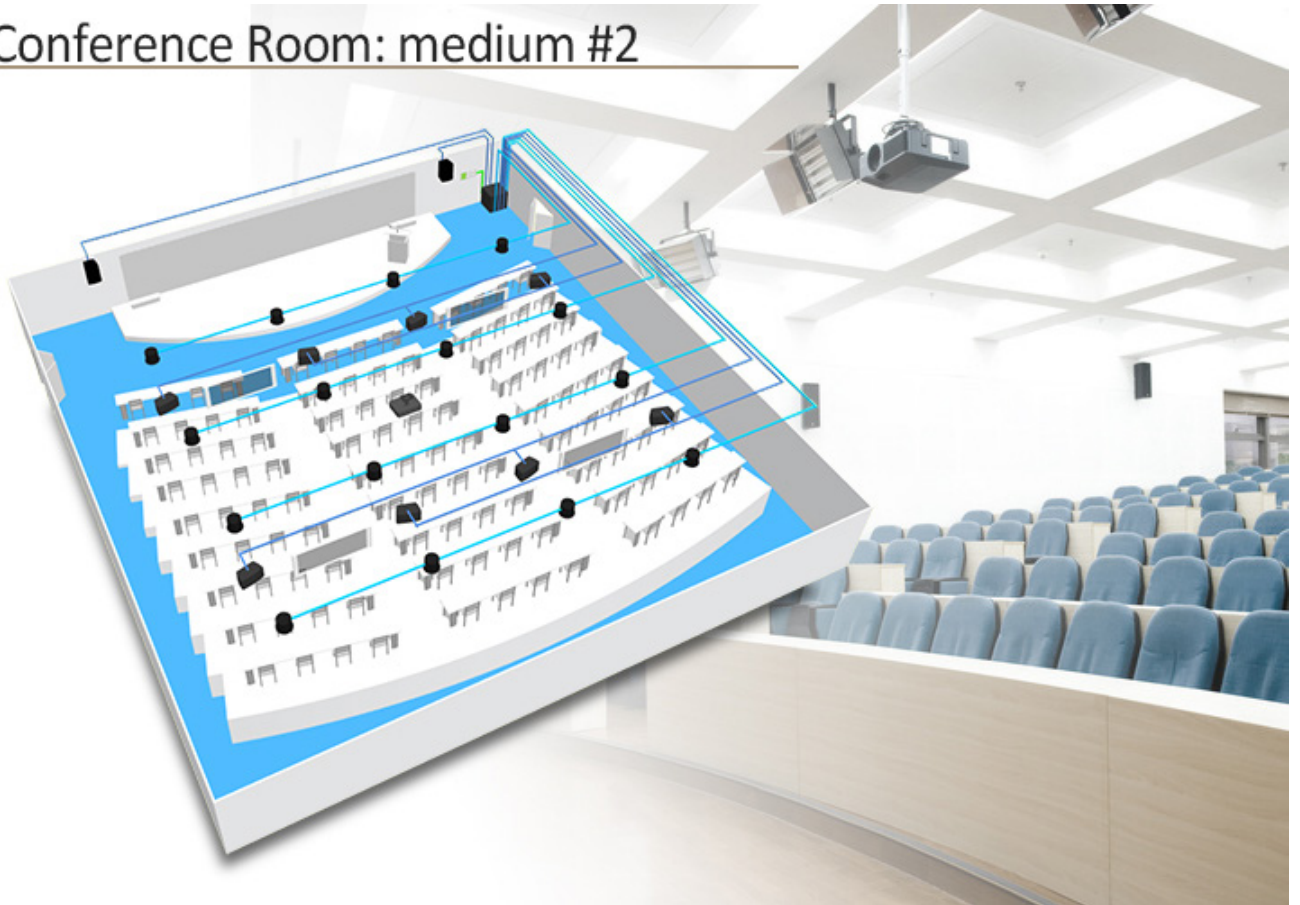
Conference Room: medium #2
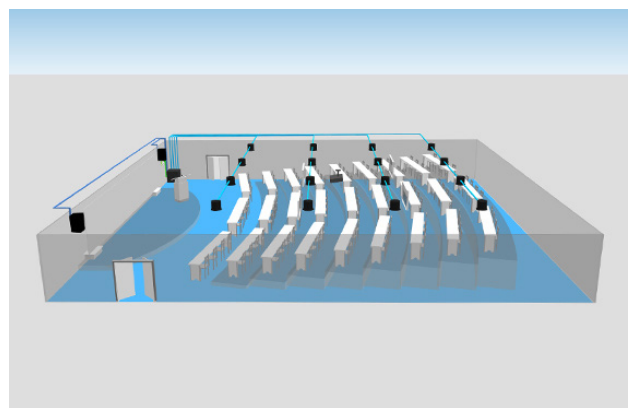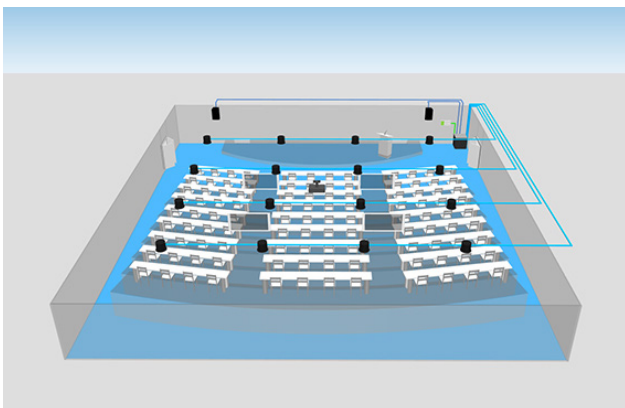

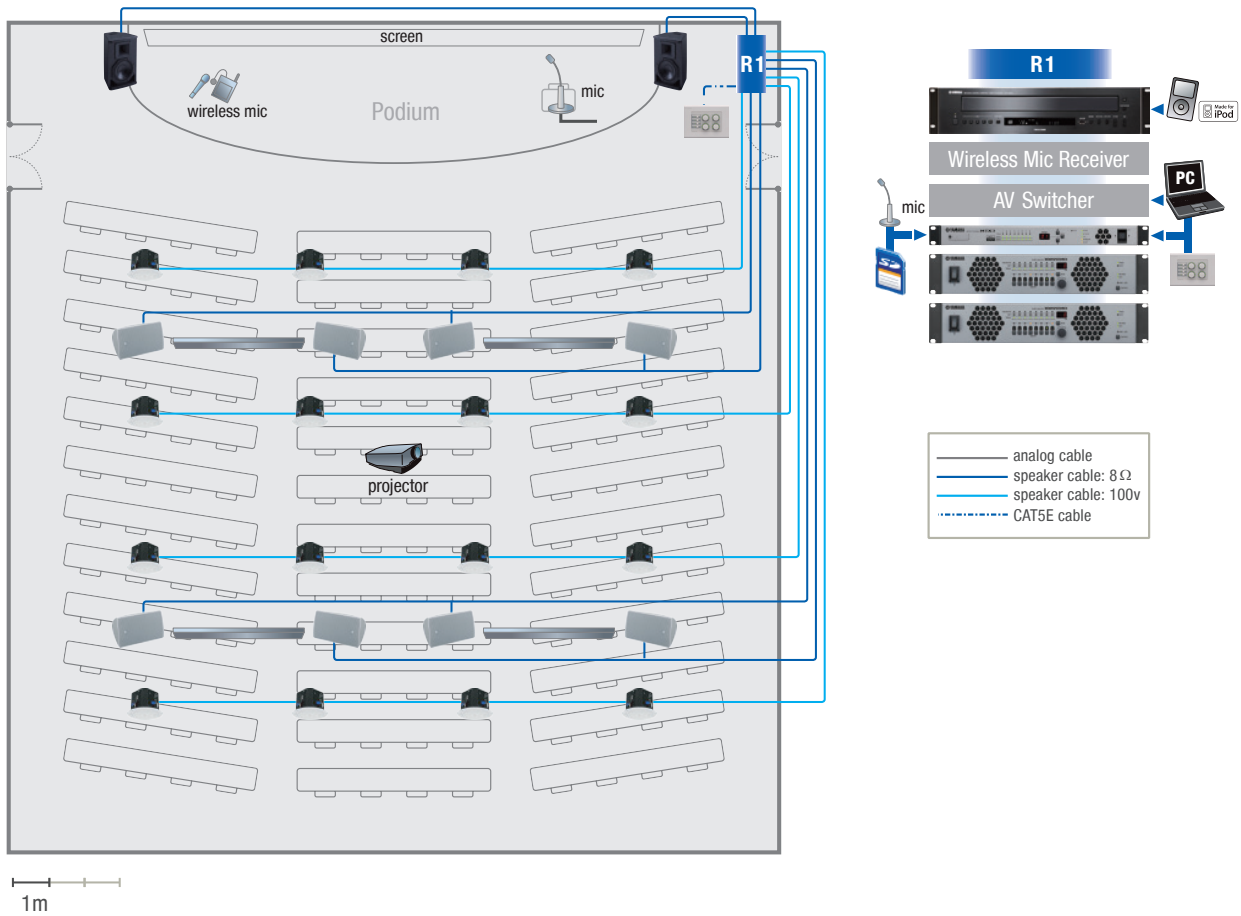## High quality audio for presentations plus stereo sound for video

System Overview

A separate screen is provided for attendees seated at the back of the room, with a stereo speaker system for enhanced sound and presence. A processor is used to compensate for the clarity-degrading delay that occurs in larger rooms. MTX series matrix processors offer a number of features that are valuable for speech and conference applications. The MTX processors can be set up at the time of installation so that no complex procedures are required for normal day-to-day operation.

Key Features

• Yamaha speakers are available in a range of sizes and power handling capacities that will provide optimum performance in just about any environment.

• An MTX matrix processor provides a number of useful conference functions, including a Feedback Suppressor that automatically detects and eliminates acoustic feedback, a Priority Ducker function that automatically lowers the volume of the main program when announcements are made, and more.

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

R1

screen

wireless mic

Podium

mic

projector

1m

R1

Wireless Mic Receiver

AV Switcher

PC

mic

— analog cable
— speaker cable: 8Ω
— speaker cable: 100v
-·-·- CAT5E cable

Component List

Name	VXC6 ceiling speaker	IF2108 speaker	VXS5 speaker	DCP4V4S controller	XMV8140 amplifier
Qty	16	2	8	1	2
Name	MTX3 matrix	CD-C600RK CD player			
Qty	1	1			

Cable List

Name	analog cable	speaker cable: 8Ω	speaker cable: 100v	CAT5E cable
Length	10m	150m	140m	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)

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, 20Hz - 20kHz	0dB, ±1.0dB
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)

IF2108 speaker

Components	LF	8" woofer, 2" voice coil
	HF	Rotatable contant directivity horn,1" exit, 1.7" voice coil compression driver
Coverage Angle		90° x 60° (rotatable)
Nominal Impedance		8Ω
Power Rating	PGM	200W
Sensitivity	(1W,1m)	95dB SPL
Continuous SPL	(calculated)	115dB SPL
Frequency Range	(-10dB)	55Hz - 19kHz
Connectors		2 x NL4 and barrier strip, wired in parallel
Dimensions	(W x H x D)	283 x 448 x 250mm (11.1" x 17.6" x 9.8")
Weight		14.0kg (31.0lbs)

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)

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)

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)

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)