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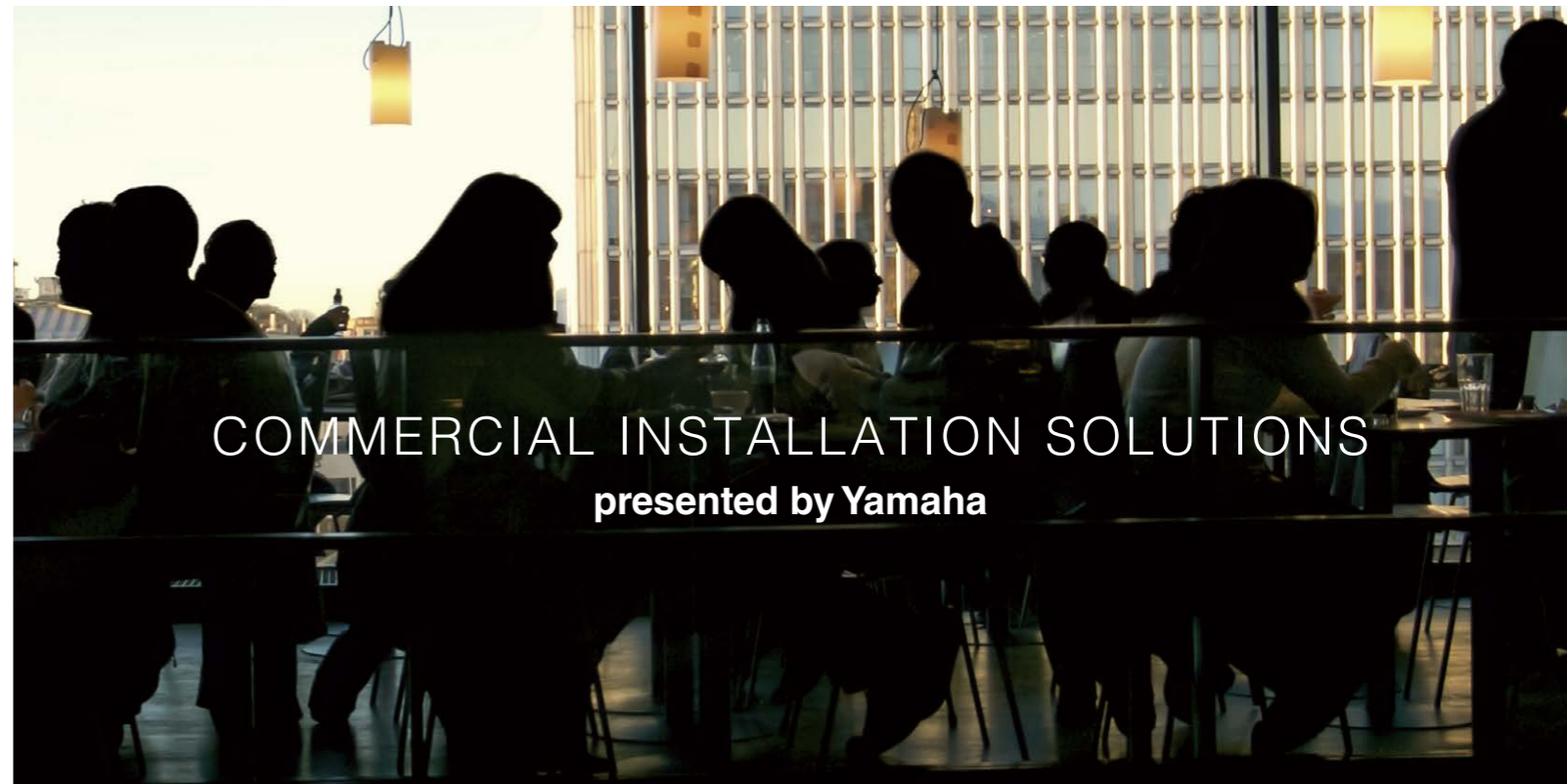
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COMMERCIAL INSTALLATION SOLUTIONS

presented by Yamaha

Have you ever wished there was an easy way to improve the quality of background music and announcements that fill the spaces you spend time in?

Like lighting and aroma, sound has a huge impact on the mood of any room. Creating a high-quality sonic environment not only makes the space more pleasant, but it can also have a positive influence on per-customer spending and repeat business.

As sound professionals, we at Yamaha are dedicated to helping our customers create the most appealing, effective sonic environments for their needs. Commercial Installation Solutions was established just for that purpose, offering the most elegant, convenient sound systems available for commercial and public spaces.

Yamaha has more than a century of experience in musical instrument manufacture, plus extensive experience in processing and delivering sound. Industry-leading electronics technologies developed at our own R&D centers are used and highly valued by distinguished engineers in professional audio and broadcast applications worldwide. That same background and dedication is behind the system solutions we offer for commercial installations, giving our customers sound that is ideally tailored to their individual needs.



Yamaha Commercial Installation Solutions



INTERCONTINENTAL HOTEL, DAVOS (SWITZERLAND)



INSTALLED PRODUCTS: VXS SERIES, VXC SERIES, XMV SERIES, MTX SERIES, DME SERIES, LS9 SERIES

ITOYA, TOKYO (JAPAN)



INSTALLED PRODUCTS: VXS SERIES, VXC SERIES, XMV SERIES, MTX SERIES, EX08, MA/PA SERIES

SHANG XIA, SHANGHAI (CHINA)



INSTALLED PRODUCTS: VXS SERIES, VXC SERIES, XMV SERIES, MTX SERIES, MA/PA SERIES

EVESHAM TOWNSHIP MUNICIPAL COURT, NEW JERSEY (USA)



INSTALLED PRODUCTS: VXC SERIES, XMV SERIES, MTX SERIES, EXi8, Dugan-MY16



An Easy Approach to Enjoyable BGM

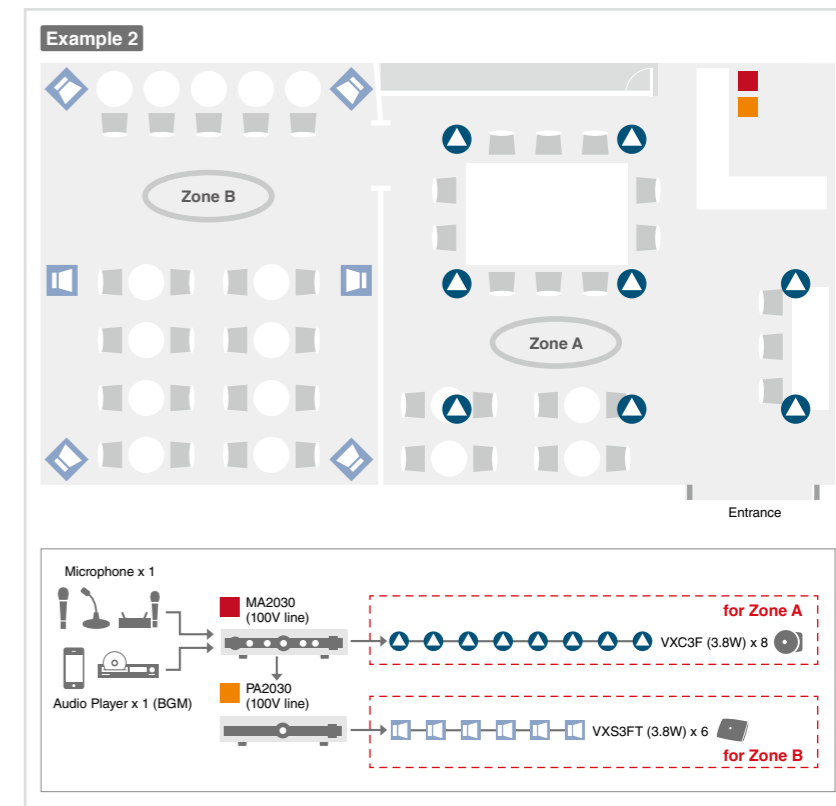
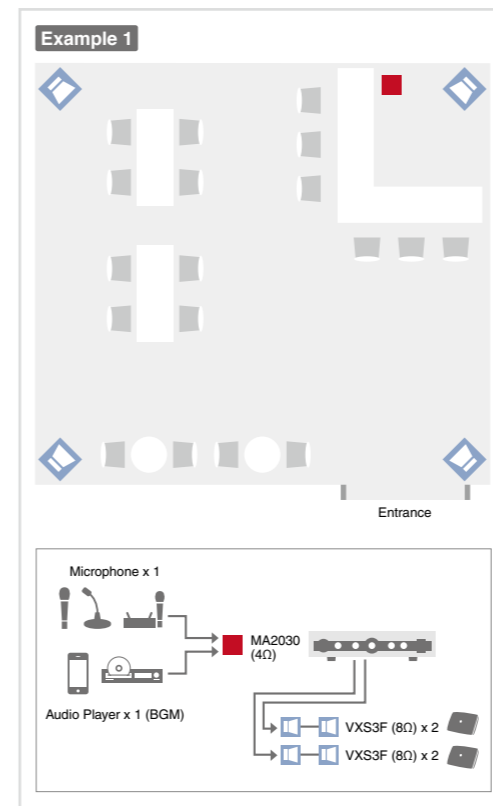
"We'd like to provide enjoyable background music in our shop, but don't know much about audio equipment."

Here's an ideal solution for a small café or restaurant that we recommend for customers in this type of situation.

In order to create a comfortable, agreeable environment of this sort, attention should be paid to both sonic and visual quality. Compact speakers like the VXS3F can be mounted on walls or ceiling, adding a touch of class to any décor with their uniquely refined form. They have also been specially tuned to deliver full musical nuance and impact even at low volume and thereby eliciting the greatest atmospheric contribution from the music used.

The MA2030 is a stylish mixer amplifier that can be easily used without any prior audio experience. All you need to get started is the MA2030, VXS3F speakers, and a music source of your choosing. You can add a microphone for announcements and small events if necessary, easily broadening the scope of your business. Refer to Example 1.

You can increase the number of speakers the system is capable of driving by adding a PA2030 power amplifier to cover a larger or more complex area. In a larger speaker system of this sort it becomes possible to add VXS3FT models and in-ceiling VXC3F models as appropriate to location and décor. Refer to Example 2.





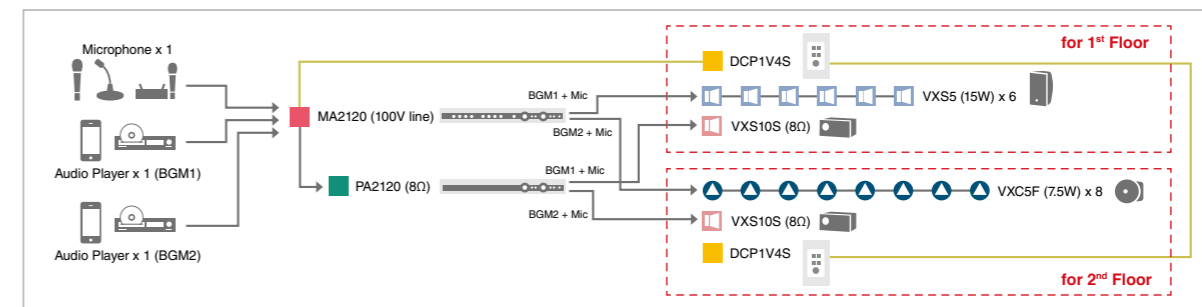
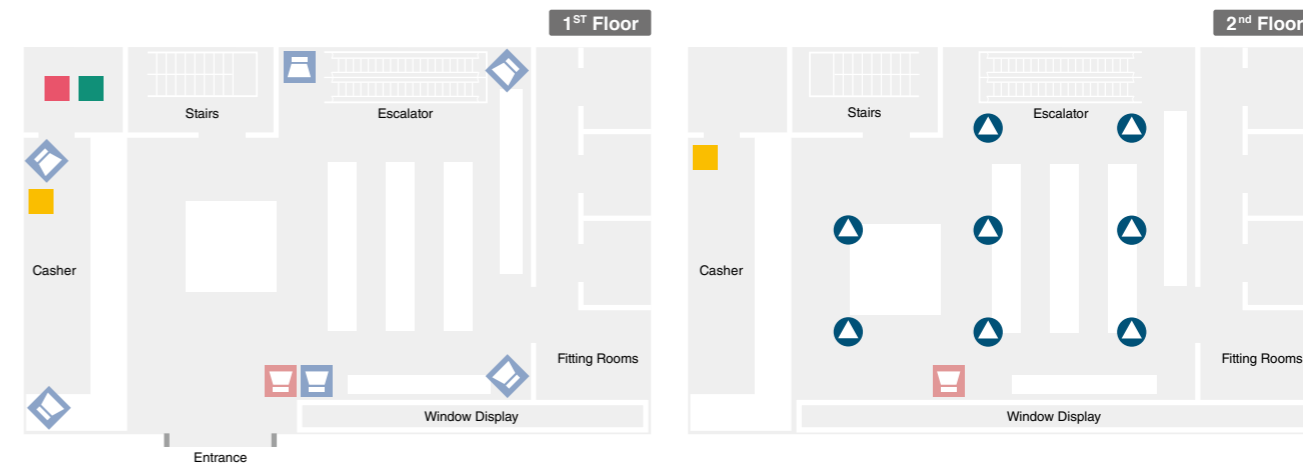
Different BGM to Different Zones, Plus Announcements

“We want to be able to create different moods in different areas of the store. One area could have an upbeat vibe for shopping, for example, while another has a more serene atmosphere for people who want to take a break from shopping.”

This system would be a good choice for a multi-level boutique or a restaurant that features a bar or lounge.

Background music is just as important as décor and lighting for creating a specific mood. Yamaha VXS and VXC series speakers provide high quality playback that delivers the full emotional impact of the music to the listening area, making a major contribution to overall atmosphere. The power and excitement of rhythmic music can be enhanced by adding VXS10S subwoofers.

The MA2120 would be a good choice for broadcasting announcements or advertisements while supplying different background music to different areas. It includes a Ducker function that automatically reduces the volume of the background music while a microphone is being used so that no manual adjustments are required. DCP1V4S control panels installed in the separate areas allow remote control of background music volume and other operations.





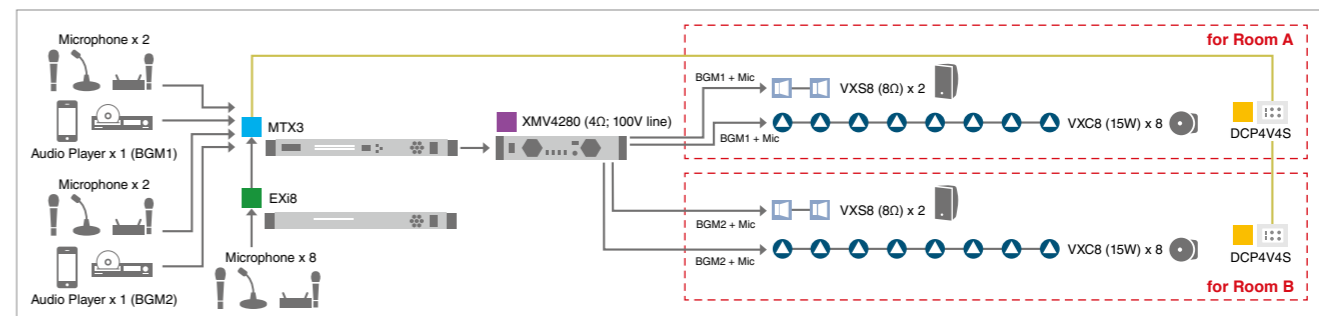
Flexible Space Utilization for a Variety of Events

"We have a number of rooms that are normally used separately, but for special events we want to be able to combine them by removing the partitions without having to change the sound system layout or equipment."

This is a fairly common hotel banquet room or multi-purpose hall scenario that can be effectively served by the following system.

Room A and Room B in the system example are normally used independently for meetings, parties, or other events, and are therefore equipped with audio systems that can be operated separately. The Yamaha MTX3 is a convenient matrix processor that can accept input from multiple audio sources and microphones and route that audio to specified speaker systems. The EXi8 is handy when you want to increase the number of available microphone inputs, for example. DCP4V4S control panels installed in each room can be set up to allow remote control of microphone level and on/off switching.

When the partition is removed and the rooms are combined to form one larger space, an appropriate setup that has been pre-programmed using the MTX-MRX Editor software can be recalled via a single button, instantly setting up the system for central control.





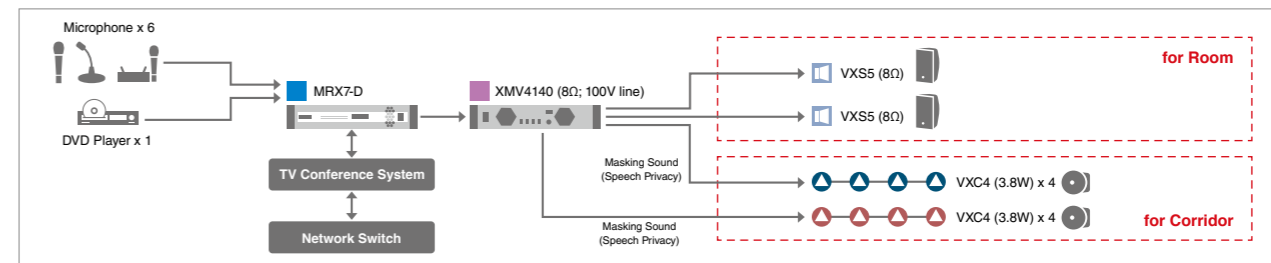
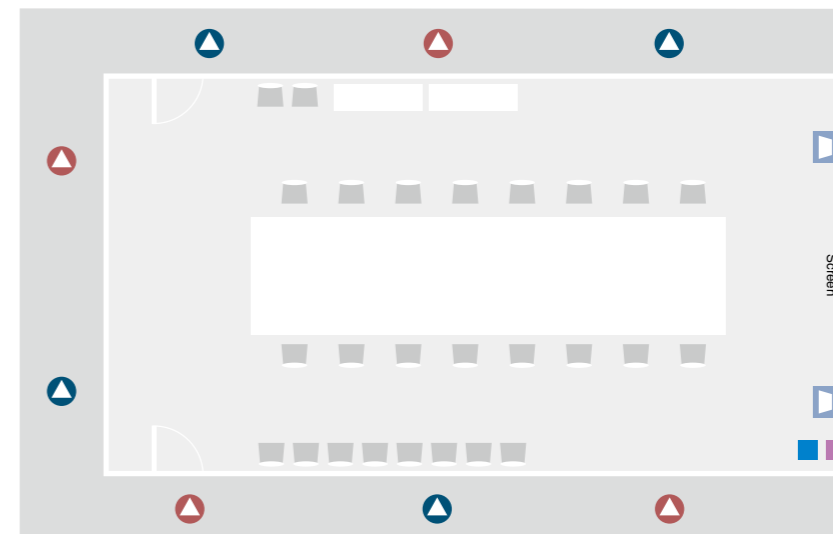
An Advanced Remote Conferencing Environment

“We need maximum clarity and intelligibility for remote conferencing, plus measures to prevent the conference from being overheard.”

These capabilities are vital in modern offices, financial institutions, medical facilities, and more. The system described here is a good start.

Although remote conferencing is a rapidly growing mode of communication, echoes caused by audio feedback and otherwise impaired intelligibility are still common problems.

Yamaha’s highly advanced MRX7-D features an Acoustic Echo Canceller function that effectively suppresses echoes even if speaker output is picked up by microphones in the room, eliminating echoes and dropouts in both directions. Add VXS5 speakers that offer outstanding clarity, and you have a system that achieves excellent intelligibility for smooth, effortless communication. The MRX7-D also includes a Speech Privacy function that feeds a special masking signal to speakers installed in the hallway outside the conference room, making it impossible for outsiders to eavesdrop on the proceedings.





Broadcast Presentations to a Second Room

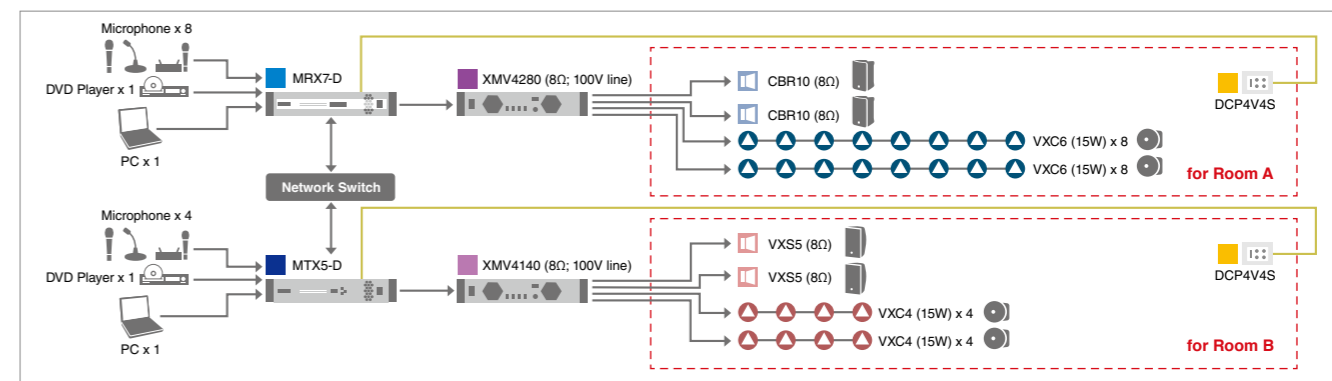
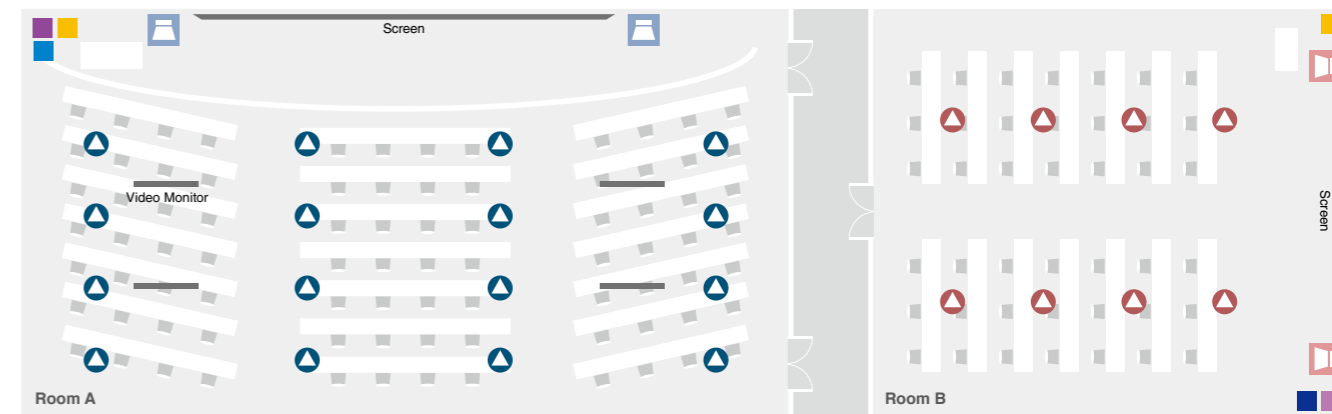
“Although the presentation rooms at our multi-room complex are normally used independently, there are times when we want to broadcast a presentation being held in the main room to one or more satellite rooms so that a larger audience can be accommodated.”

The solution we propose for this situation is ideal for educational facilities, municipal halls, houses of worship, and more.

The MRX7-D and MTX5-D allow Dante audio networking over long distances with no delay or degradation in sound quality. If an appropriate setup is pre-programmed using the MTX-MRX Editor software, it is possible to broadcast audio simultaneously to all rooms by simply pressing a button.

The Dugan Automixer function built into the MRX7-D can be a huge advantage for lectures, panel discussion, or other situations where multiple speakers may use their microphones at unpredictable times. When active the Dugan Automixer keeps track of which microphones are being used and which are not, and automatically adjusts individual microphone levels so that the speaker can be clearly heard without being cut off or interrupted by feedback.

DCP4V4S control panels installed in each room allow remote control of audio source and microphone levels as well as on/off switching.



Small to Medium Scale Installations

A Simple Solution for BGM and Announcements

Recommended applications: Restaurants, cafés, boutiques, conference rooms, multi-purpose rooms, classrooms, lecture halls, etc.

The MA and PA series are recommended in situations where a simple, efficient system for background music and announcements is the goal. Devices from either series can be easily operated by anyone, and installation is simple and quick with no computer connections or setup required.



MIXER AMPLIFIER / POWER AMPLIFIER

MA2030 / PA2030

- Simple mixing and power amplifiers (30W x 2ch) that are ideal for small installations
- Three stereo inputs and two microphone inputs on the MA2030 support a variety of applications
- Support Lo-Z and Hi-Z speaker systems
- Compact dimensions allow installation in limited spaces

MIXER AMPLIFIER / POWER AMPLIFIER

MA2120 / PA2120

- Streamlined mixing and power amplifiers (120W x 2ch) for small to medium scale installations
- Independent control of two speaker system zones from a single unit
- Support Lo-Z and Hi-Z speaker systems
- Certified with ENERGY STAR



US standardized size models



Wireless DCP*

DIGITAL CONTROL PANEL

DCP series

- Dedicated remote controller for MA/PA series as well as MRX7-D/MTX series devices
- Three models available for the widest variety of applications
- Freely customizable switch settings for MRX7-D/MTX series devices



DIGITAL CONTROLLER HUB

DCH8

- Dedicated 8-way distribution hub for DCP controllers



*Wireless DCP can be downloaded from Apple's App Store and Google Play at no charge. (Apple, iPhone and iPod are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc. Android and Google Play are trademarks of Google Inc.).

Medium to Large Scale Installations

Smart Solutions for Central Control of Complex Systems

Recommended applications: Hotels, banquet halls, office buildings, education facilities, theaters, multi-purpose spaces, shopping malls, airports, etc.

A combination of MRX7-D/MTX series and XMV series devices is an ideal way to provide comprehensive central control for complex systems. The MTX-MRX Editor software used for system design is easy for first-time users, and allows flexible design as well as comprehensive control for systems of just about any scale.



EXi8
EXo8
MTX3
MTX5-D
MRX7-D

SIGNAL PROCESSOR

MRX7-D

- A freely configurable signal processor that is ideally suited to larger systems
- A wealth of features dedicated to solving common sound system issues
- The MTX5-D supports the Yamaha YDIF digital I/O format and Dante network audio in addition to analog I/O

MATRIX PROCESSOR

MTX series

- A pre-configured matrix processor for small to medium scale installations
- Supports the Yamaha YDIF digital I/O format in addition to analog I/O
- The MTX5-D also supports Dante network audio

INPUT EXPANDER / OUTPUT EXPANDER

EXi8 / EXo8

- Input and output expanders for MRX7-D/MTX series devices



XMV8140/XMV8280
XMV8140-D/XMV8280-D

XMV4140/XMV4280
XMV4140-D/XMV4280-D

POWER AMPLIFIER

XMV series

- Multi-channel power amplifiers that are a perfect match for MRX7-D/MTX series devices
- Support Lo-Z and Hi-Z speaker systems
- Eight models to suit a variety of applications (with and without Dante support)



CUSTOM CONTROL PANEL
Provisionaire Touch*

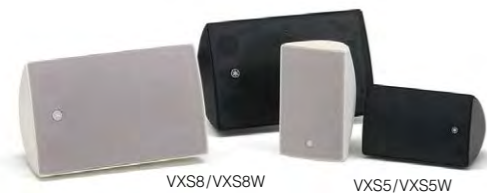
- An iPad/iPad mini application for wireless control of MRX7-D/MTX series devices
- Custom controllers can be created to suit individual applications



*Provisionaire Touch can be downloaded from Apple's App Store at no charge. (Apple, iPad and iPad mini are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc.).

Speakers for Refined Sound in Commercial Spaces

The surface-mount VXS series and in-ceiling VXC series are backed by more than 125 years of Yamaha history, incorporating extensive experience in the fields of acoustic and industrial design in an exemplary lineup of speakers that contribute to commercial installations with outstanding sound quality and visual appeal.



VXS8/VXS8W

VXS5/VXS5W

SURFACE-MOUNT SPEAKER/IN-CEILING SPEAKER

VXS series / VXC series

- An ideal way to create appealing acoustic spaces
- Black and white models available (Paintable)
- Basic models for a wide range of applications, easily handling music as well as announcements



VXC6/VXC6W

VXC8/VXC8W

VXC4/VXC4W



VXS3F/VXS3FT

VXS3FW/VXS3FTW

VXC3F/VXC3FW

SURFACE-MOUNT SPEAKER/IN-CEILING SPEAKER

VXS series F / VXC series F

- Premium sound tuning for refined background music
- Attractive, discreet design for elegant spaces (VXS series F)
- Low-profile design for greater installation flexibility (VXC series F)
- Black and white models available (Paintable)

VXC5F/VXC5FW



VXS10S/VXS10ST

VXS10SW/VXS10STW

SURFACE-MOUNT SUBWOOFER

VXS series S

- Subwoofers for high-quality low-frequency enhancement
- Ideally matched to VXS and VXC Series
- Black and white models available

Uniquely Yamaha System Solutions

"We'd like to improve the quality of service at our hotel by placing a player piano in the lobby and visually appealing audio systems in the guest rooms, and by equipping our banquet rooms and restaurants with musical instruments and speakers for live events."

Only Yamaha can provide complete solutions to requests like these. Our long history of musical instrument, home audio, and professional audio development and production is one of the reasons that so many customers choose Yamaha products. When it comes to creating original commercial environments of the highest quality and refinement, you can depend on Yamaha.



Portable PA

Portable sound systems are a convenient choice for occasional events. The Yamaha STAGEPAS series provides ample power and performance for presentations, exhibitions, or in-store events in a lightweight, easy-to-use package.



Powered Speakers

Yamaha high-power speakers enjoy an excellent reputation in the field of live sound reinforcement. The DXR series is highly valued by professional users as well as amateurs for its outstanding performance in live performance applications.



Home Audio

Yamaha home audio products include Sound Bars that deliver theater quality sound right in the user's living room, the elegant Relit series of combined audio and lighting units, and other unique home audio innovations.



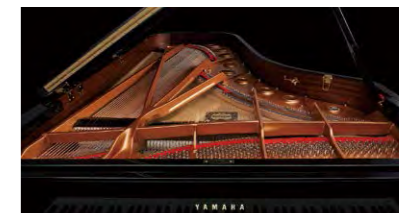
Analog Mixers

The best-selling MG analog mixer series includes models that are perfect for small-scale live events and presentations. MG mixers are popular worldwide for their user-friendly design and proportions.



Digital Mixers

Yamaha has been developing and producing digital mixers for more than 25 years. Yamaha digital mixers have been and continue to be widely adopted by leading sound engineers through the world. The CL, QL, and TF series include digital consoles that deliver top-quality sound and performance for events of just about any scale. And they're a pleasure to use, too.



Musical Instruments

Yamaha is the largest general musical instrument manufacturer in the world, producing an astonishing range of products from pianos to wind instruments, guitars, drums, synthesizers, and more. Their consistently outstanding quality and reliability has earned the trust of users everywhere.



For System Integrators and Installers

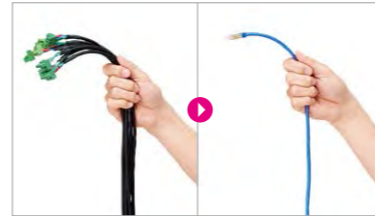
Commercial Installation Solutions not only offers products that contribute to higher sonic quality, but to dramatically improved efficiency at the design and installation stages as well. Some important advantages for design and installation are listed here.

For more details visit: <http://www.yamahaproaudio.com>



MTX-MRX Editor for Comprehensive System Design and Management

The MTX-MRX Editor software facilitates sound system design with a workflow that simulates standard installation procedure. An easy-to-use wizard lets you start by arranging the devices to be used in the desired layout, then processing components can be added wherever needed. MRX 7-D signal processor, MTX series matrix processors, EXi8 input expanders, EXo8 output expanders, XMV series power amplifiers, and DCP digital control panels can be added according to the needs and scale of the application. The MTX-MRX Editor provides comprehensive, intuitive tools for designing sound systems from input to output.



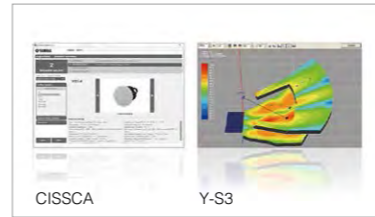
YDIF Connection for Easier Installation

YDIF is an original Yamaha digital audio protocol that allows standard CAT5e Ethernet cable to be used for bidirectional transfer up to 16 channels of audio plus word clock signals over distances of up to 30 meters, reducing the need for excessive cabling that often requires a lengthy setup process as well as more physical space to accommodate it. It allows cascading of multiple MRX7-D/MTX series units as well as signal transfer to XMV series power amplifiers via connections that are fast and simple to set up.



Smart Design for Safer, Faster Installation

All VXC Series models include features designed for maximum installation safety and convenience. The reduced workload and increased speed afforded by these features can be a real advantage in installations that involve a large number of speakers. And in situations where the speakers are to be painted to match existing décor, it is only necessary to paint the grilles. The painted grilles then easily attach to the previously installed speaker, notably improving installation efficiency.



CISSCA

Y-S3

Dedicated Speaker Software for Smooth Designing

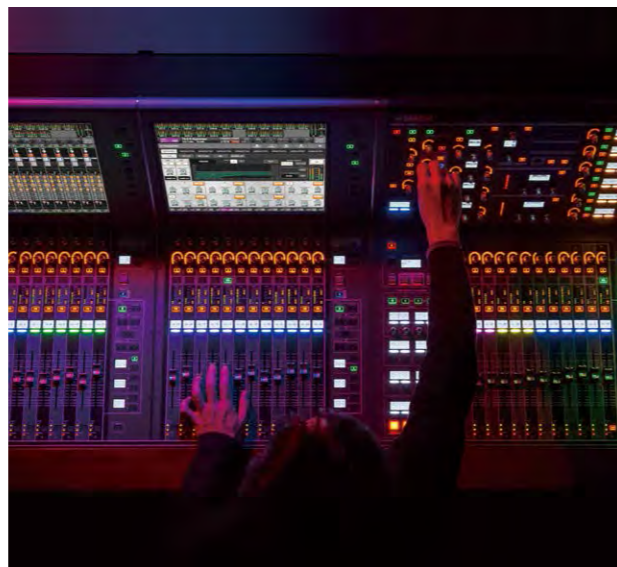
In addition to EASE and CLF data that are widely used for sound system design, data is available for dedicated Yamaha speaker software applications. CISSCA, the Commercial Installation Solutions Speaker Calculator, is a software application that rapidly calculates the number of speakers required for optimum performance in installations, which is ideal for basic installations such as in-store BGM systems. The Yamaha Sound System Simulator (Y-S3) is a software application that provides accurate simulations of acoustic spaces, which is ideal for more complex installations such as hall sound systems.

About Yamaha



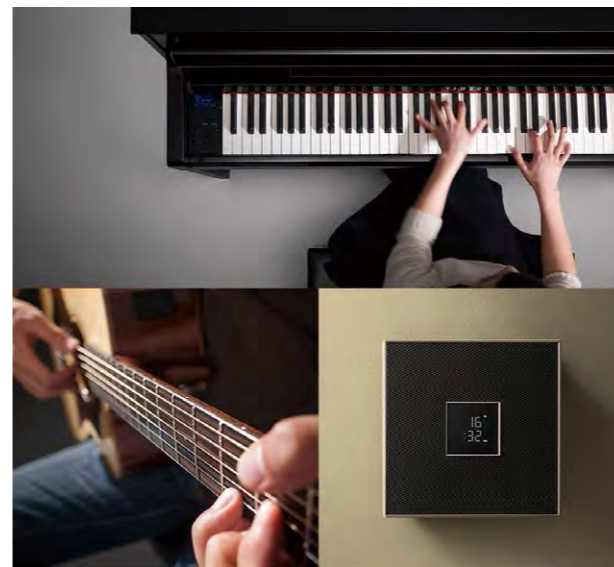
Dedicated to Great Sound

Yamaha was established more than 125 years ago, and since that time the company has led musical instrument and sound innovation, acquiring extensive know-how and refined sonic sense along the way. As sound professionals we are dedicated to continue building on that background, delivering products and services that result in thoroughly satisfying sound and music environments.



Innovative Electronics

Innovative electronics for digital musical instruments as well as audio equipment is one of Yamaha's strengths. The same advanced Yamaha digital signal processing and network technologies that are highly regarded by audio professionals contribute to quick, easy design and management of commercial sound environments as well.



Experience and Imagination

Yamaha offers an impressively wide range of products, from world-renowned pianos and other musical instruments to home and professional audio equipment. The experience gained in all of those fields goes into our Commercial Installation Solutions products as well, resulting in unique solutions for high-quality sonic environments.



Beautiful, Practical Design

The visual designs for Yamaha products are created at our in-house Product Design Laboratory, adhering to the basic concept of unobtrusive functional beauty. The many prestigious international design awards we have been honored to receive attest to the success of this approach. It is our goal to offer the most pleasing environments possible, both sonically and visually.

About Yamaha



Industry Leading Quality Control

ISO 9001 or equivalent quality management is maintained at all Yamaha manufacturing facilities. Quality control is a priority for every product we make. We are dedicated to delivering products that are easy to use while offering long-term reliability and safety that truly meet our customers' needs.



Comprehensive Sales Network

Yamaha has more than 30 branch offices around the world, providing the same level of sales, service, and support for affiliates and customers everywhere.*

* Availability of some products may vary according to region. Contact your nearest Yamaha representative for details.



Environmental Management

Yamaha operations comply with ISO 14001 standards for responsible environmental management. We are dedicated to employing sustainable resources and reducing the energy consumption of our technology and products to reduce the overall burden on the environment. Responsible environmental management directly benefits our customers as well as society at large.



Contributing to a Better Society

Yamaha's corporate philosophy of "Sharing Passion and Performance" is applied not only in our products, but in our acoustic design consulting services for distinguished halls and music education activities as well. We believe that by creating opportunities for more people to enjoy sound and music we are contributing to a better, culturally richer society as well.