Yamaha - The Sound Business Choice

Have you ever wished there was an easy way to improve the sound quality of background music, speech 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.
INTERCONTINENTAL HOTEL DAVOS (Davos, Switzerland)

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

ITO-YA (Tokyo, Japan)

INSTALLED PRODUCTS: VXS SERIES, VAC SERIES, MA/PA SERIES, XMV SERIES, MTX SERIES, EXof SERIES

SHANG XIA (Shanghai, China)

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

STONE HARBOR MUNICIPAL COURTHOUSE (New Jersey, USA)

INSTALLED PRODUCTS: VXS SERIES, VAC SERIES, XMV SERIES, MTX SERIES, DCP SERIES
BILLUND AIRPORT (Billund, Denmark)

USINE (Stockholm, Sweden)

CENTRAL HALL WESTMINSTER (London, UK)

FONDAZIONE BANCO DI NAPOLI (Napoli, Italy)

INSTALLED PRODUCTS: VXS SERIES, XMV SERIES, MRX SERIES, MTX SERIES, QL SERIES, and more
Yamaha Commercial Installation Solutions are designed to help you deliver ideal sound in commercial spaces. A speaker system combined with an appropriate simple or smart solution can provide the perfect balance of performance and functionality for your needs.

Speaker Systems

VXS, VXL, and VXC series speakers have been optimized specifically for commercial sound applications, with accurate sound inspired by our long history of musical instrument production plus visual design that blends easily with any décor. Choose the models that best suit your needs from our ample lineup.

Simple Solutions

These solutions are suitable for basic background music, speech, and announcements applications, built around MA and PA series devices that anyone can operate.

Recommended applications:
- Cafes, restaurants, bars, apparel shops, classrooms, presentation rooms, etc.

Smart Solutions

Smart solutions are more suitable for central management of systems with complex audio signal flow, and to deliver more advanced sound staging. A plentiful lineup of MTX and MRX series processors and XMV series power amplifiers make it possible to assemble ideal, highly expandable systems.

Recommended applications:
- Conference rooms, lecture halls, restaurants, hotels, banquet halls, office complexes, multi-purpose facilities, shopping malls, etc.

Application Examples

Since Yamaha was established over 125 years ago, the company has built an enviable reputation in the development and manufacture of musical instruments, home audio, and professional audio products that have been defining influences in a variety of fields. When you need top-quality sound for a commercial space that comes with added entertainment value, Yamaha has the solutions.

Recommended applications:
- Cafes, restaurants, bars, apparel shops, classrooms, presentation rooms, etc.
- Conference rooms, lecture halls, restaurants, hotels, banquet halls, office complexes, multi-purpose facilities, shopping malls, etc.

Smart solutions are more suitable for central management of systems with complex audio signal flow, and to deliver more advanced sound staging. A plentiful lineup of MTX and MRX series processors and XMV series power amplifiers make it possible to assemble ideal, highly expandable systems.

Example: Restaurant
Example: Hotel Lobby
Example: Conference Room
Example: Multi-level Boutique
Example: Banquet Room
Example: Portable PA Systems
Example: Home Audio Systems
Example: Pianos

and more...
VXS, VXL and VXC series speakers have been optimized specifically for commercial sound applications, with accurate sound inspired by our long history of musical instrument production plus visual design that blends easily with any décor. Choose the models that best suit your needs from our ample lineup.

POINT 1: High quality, richly musical sound
POINT 2: Visual design that harmonizes with any interior décor
POINT 3: An extensive lineup to choose from

**Speaker Systems**

VXS Series  SURFACE-MOUNT SPEAKER

**VXS5**

- Paintable
- Lo-Z/Hi-Z switchable
- Pair package
- 70V/100V certified models available (VA version)

- Type: 2-way, Bass-reflex (HF 0.75” ; LF 5.25”)
- Frequency Range (-10dB): 62Hz–20kHz
- Power Rating (PGM): 150W
- Nominal Impedance: 8Ω
- Transformer Taps (70V/100V):
  - [70V] 30W, 15W, 7.5W, 3.8W
  - [100V] 30W, 15W, 7.5W
- Sensitivity: 89dB SPL
- Dispersion: H 120°x V 120°
- Waterproof: IP35

**VXS8**

- Paintable
- Lo-Z/Hi-Z switchable
- Pair package
- 70V/100V certified models available (VA version)

- Type: 2-way, Bass-reflex (HF 1” ; LF 8”)
- Frequency Range (-10dB): 51Hz–20kHz
- Power Rating (PGM): 180W
- Nominal Impedance: 8Ω
- Transformer Taps (70V/100V):
  - [70V] 60W, 30W, 15W, 7.5W
  - [100V] 60W, 30W, 15W, 7.5W
- Sensitivity: 91dB SPL
- Dispersion: H 100°x V 100°
- Waterproof: IP35
VXS Series F
COMPACT SURFACE MOUNT SPEAKER

VXS3F/VXS3FT

- Paintable
- VXS3F: Lo-Z only
- VXS3FT: Hi-Z only
- PAIR package
  - Type: Full-range, Acoustic Suspension (3.5”)
  - Frequency Range (-10dB): 150Hz–20kHz
  - Nominal Impedance: 8Ω
  - Transformer Taps (100V): 15W, 7.5W, 3.8W
  - Sensitivity: 89dB SPL
  - Dispersion: H 150° x V 160°

VXS3F (Lo-Z model): wall mount
VXS3FT (Hi-Z model): wall mount

VXS Series M
MINI SURFACE-MOUNT SPEAKER

VXS3FW

- Paintable
- Lo-Z only
- Single package
  - Type: Full-range, Acoustic Suspension (1.5”)
  - Frequency Range (-10dB): 180Hz–20kHz
  - Power Rating (PGM): 10W
  - Nominal Impedance: 8Ω
  - Sensitivity: 78dB SPL
  - Dispersion: H 170° x V 170°

VXS1ML

- Paintable
- Lo-Z only
- Single package
  - Type: Full-range, Acoustic Suspension (1.5”)
  - Frequency Range (-10dB): 180Hz–20kHz
  - Power Rating (PGM): 10W
  - Nominal Impedance: 8Ω
  - Sensitivity: 79dB SPL
  - Dispersion: H 170° x V 170°

“VXS Series S” subwoofers are available for luxurious bass

Optional Accessories: CMA1M for in-ceiling mount

Net Weight: 0.17 kg (0.3 lbs)
### VXS Series S

**Surface-Mount Subwoofer**

<table>
<thead>
<tr>
<th>Model</th>
<th>Net Weight</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>VXS10S</td>
<td>16.5kg (36.4lbs)</td>
<td>500mm x 260mm x 389mm</td>
</tr>
<tr>
<td>VXS10ST</td>
<td>19.5kg (43.0lbs)</td>
<td>480mm x 260mm x 389mm</td>
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</table>

**Specifications**

- Paintable
- Lo-Z/Hi-Z switchable
- Single package
- Type: SR-Bass™ Subwoofer (3.5”)
- Frequency Range (-10dB): 65Hz–180Hz
- Power Rating (PGM): 40W
- Nominal Impedance: 8Ω
- Transformer Taps (70V/100V):
  - [70V] 15W, 7.5W, 3.8W, 1.9W
  - [100V] 15W, 7.5W, 3.8W
- Sensitivity (1W, 1m): 79dB SPL

**Options**

- CMA3S for in-ceiling mount

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### VXL Series

**Line Array Speaker**

<table>
<thead>
<tr>
<th>Model</th>
<th>Net Weight</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>VXL1-8</td>
<td>5.5kg (12.1lbs)</td>
<td>846mm x 54mm x 103mm</td>
</tr>
<tr>
<td>VXL1-16</td>
<td>4.0kg (8.8lbs)</td>
<td>846mm x 54mm x 103mm</td>
</tr>
<tr>
<td>VXL1-24</td>
<td>2.3kg (5.1lbs)</td>
<td>846mm x 54mm x 103mm</td>
</tr>
</tbody>
</table>

**Specifications**

- Paintable
- Lo-Z only (Hi-Z option available)
- Single package
- Type: Acoustic Suspension (1.5” x8)
- Frequency Range (-10dB): 75Hz–20kHz
- Power Rating (PGM): 40W
- Nominal Impedance: 16Ω
- Dispersion: H 170° x V 40°
- Waterproof: IP35

**Options**

- ST-L1 for Hi-Z connections
- VCB-L1 for vertical mounting of two arrays
- HCB-L1 for side-by-side mounting of two arrays
- WMB-L1 for 2-axis adjustment of a single array
- VCSB-L1 for 2-axis adjustment of a two vertically linked arrays
VXC Series IN-CEILING SPEAKER

VXC4
• Paintable
• Lo-Z/Hi-Z switchable
• Pair package
• EN54-24 certified models available (VA version)
• Type: Full-range, Bass-reflex (4”)
• Frequency Range (-10dB, 2π): 80Hz–20kHz
• Power Rating (PGM): 60W
• Nominal Impedance: 8Ω
• Transformer Taps (70V/100V):
  [70V] 30W, 15W, 7.5W, 3.8W
  [100V] 30W, 15W, 7.5W
• Sensitivity (1W, 1m): 87dB SPL
• Dispersion: 130° conical

Net Weight: 2.6kg (5.7lbs)
Cutout Size: Ø186mm (7.3”)

VXC6
• Paintable
• Lo-Z/Hi-Z switchable
• Pair package
• EN54-24 certified models available (VA version)
• Type: Full-range, Bass-reflex (6.5”)
• Frequency Range (-10dB, 2π): 80Hz–20kHz
• Power Rating (PGM): 150W
• Nominal Impedance: 8Ω
• Transformer Taps (70V/100V):
  [70V] 60W, 30W, 15W, 7.5W
  [100V] 60W, 30W, 15W
• Sensitivity (1W, 1m): 86dB SPL
• Dispersion: 110° conical

Net Weight: 4.4kg (9.7lbs)
Cutout Size: Ø247mm (9.8”)

VXC8
• Paintable
• Lo-Z/Hi-Z switchable
• Pair package
• EN54-24 certified models available (VA version)
• Type: Full-range, Bass-reflex (8”)
• Frequency Range (-10dB, 2π): 80Hz–20kHz
• Power Rating (PGM): 180W
• Nominal Impedance: 8Ω
• Transformer Taps (70V/100V):
  [70V] 60W, 30W, 15W, 7.5W
  [100V] 60W, 30W, 15W
• Sensitivity (1W, 1m): 90dB SPL
• Dispersion: 100° conical

Net Weight: 6.6kg (14.6lbs)
Cutout Size: Ø285mm (11.3”)

VXC series F LOW-PROFILE IN-CEILING SPEAKER

VXC3F
• Paintable
• Lo-Z/Hi-Z switchable
• Pair package
• EN54-24 certified models available (VA version)
• Type: Full-range, Bass-reflex (3.5”)
• Frequency Range (-10dB, 2π): 71Hz–20kHz
• Power Rating (PGM): 40W
• Nominal Impedance: 8Ω
• Transformer Taps (70V/100V):
  [70V] 15W, 7.5W, 3.8W, 1.9W
  [100V] 15W, 7.5W, 3.8W
• Sensitivity (1W, 1m): 87dB SPL
• Dispersion: 140° conical

Net Weight: 2.5kg (5.5lbs)
Cutout Size: Ø247mm (9.8”)

VXC5F
• Paintable
• Lo-Z/Hi-Z switchable
• Pair package
• EN54-24 certified models available (VA version)
• Type: Full-range, Bass-reflex (4.5”)
• Frequency Range (-10dB, 2π): 60Hz–20kHz
• Power Rating (PGM): 80W
• Nominal Impedance: 8Ω
• Transformer Taps (70V/100V):
  [70V] 30W, 15W, 7.5W, 3.8W
  [100V] 30W, 15W, 7.5W
• Sensitivity (1W, 1m): 89dB SPL
• Dispersion: 130° conical

Net Weight: 3.1kg (6.8lbs)
Cutout Size: Ø285mm (11.3”)

Net Weight: 2.6kg (5.7lbs)
Cutout Size: Ø186mm (7.3”)

Net Weight: 4.4kg (9.7lbs)
Cutout Size: Ø247mm (9.8”)

Net Weight: 6.6kg (14.6lbs)
Cutout Size: Ø285mm (11.3”)

Net Weight: 2.5kg (5.5lbs)
Cutout Size: Ø247mm (9.8”)

Weight: 3.1 kg (6.8 lbs)
Cutout Size: 295mm (11.6”)
Simple Solutions

These solutions are suitable for basic background music, speech, and announcements applications, built around MA and PA series devices that anyone can operate.

- **POINT 1**: Easy, intuitive operation and user-friendly design
- **POINT 2**: Simple setup that does not require a computer
- **POINT 3**: Outstanding functionality in compact units

**Recommended applications:**
- Cafes, restaurants, bars, apparel shops, classrooms, presentation rooms, etc.

**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 VXS1ML and 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 MA2030a is a stylish mixer amplifier that can be easily used without any prior audio experience. All you need to get started is the MA2030a, VXS series 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 PA2030a 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.

**Recommended applications:**
- Cafes, restaurants, bars, apparel shops, classrooms, presentation rooms, etc.
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.
Smart Solutions

Smart solutions are more suitable for central management of systems with complex audio signal flow, and to deliver more advanced sound staging. A plentiful lineup of MRX and MTX series processors and XMV series power amplifiers make it possible to assemble ideal, highly expandable systems.

POINT1 Configurable to match the scale of the application
POINT2 Flexible DSP functions for advanced sound systems
POINT3 Industry leading stability and reliability

Recommended applications:
Conference rooms, lecture halls, restaurants, banquet halls, office complexes, multi-purpose facilities, shopping malls, etc.

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 VXL1 slim line array 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.

Microphone x 6
DVD Player x 1
MRX7-D
TV Conference System
Network Switch
XMV4140 (8/uni03A9; 100V line)
VXL1-16 (12/uni03A9)
VXL1-16 (12/uni03A9)
VXC4 (3.8W) x 4
VXC4 (3.8W) x 4

For Room
For Corridor

Recommended applications:
Conference rooms, lecture halls, restaurants, hotels, banquet halls, office complexes, multi-purpose facilities, shopping malls, etc.
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 more...

MTX Series

MTX5-D
Matrix Processor
Fixed-configuration processor
24 in x 16 out matrix mixer built in
Up to 30 pattern presets can be registered
Stereo in x 8, line in x 8
Analog out x 8
 Dante network connectivity for large systems (24 in/32 out)
Original Yamaha YDIF® digital audio transfer protocol built in (16 in/16 out)
Min-YGDAI card slot x 1
SD memory card slot x 1
Remote controllable from dedicated controller or software
Support for external AMX/Crestron controllers

MTX3
Matrix Processor
Fixed-configuration processor
20 in x 10 out matrix mixer built in
Up to 20 pattern presets can be registered
Stereo in x 2, line in x 8
Analog out x 8
 Dante network connectivity for large systems (16 in/8 out)
Original Yamaha YDIF® digital audio transfer protocol built in (16 in/16 out)
SD memory card slot x 1
Remote controllable from dedicated controller or software
Support for external AMX/Crestron controllers

MRX Series

MRX7-D
SIGNAL PROCESSOR
Free-configuration processor
Stereo in x 8, line in x 8
Analog out x 8
 Dante network connectivity for large systems (64 in/64 out)
Original Yamaha YDIF® digital audio transfer protocol built in (16 in/16 out)
Min-YGDAI card slot x 1
SD memory card slot x 1
Remote controllable from dedicated controller or software
Support for external AMX/Crestron controllers

MRX5-D
Matrix Processor
Free-configuration processor
24 in x 16 out matrix mixer built in
Up to 30 pattern presets can be registered
Stereo in x 8, line in x 8
Analog out x 8
 Dante network connectivity for large systems (16 in/32 out)
Original Yamaha YDIF® digital audio transfer protocol built in (16 in/16 out)
Min-YGDAI card slot x 1
SD memory card slot x 1
Remote controllable from dedicated controller or software
Support for external AMX/Crestron controllers

MRX3
Matrix Processor
Free-configuration processor
20 in x 10 out matrix mixer built in
Up to 20 pattern presets can be registered
Stereo in x 2, line in x 8
Analog out x 8
 Dante network connectivity for large systems (8 in/8 out)
Original Yamaha YDIF® digital audio transfer protocol built in (16 in/16 out)
SD memory card slot x 1
Remote controllable from dedicated controller or software
Support for external AMX/Crestron controllers

MRX2
Matrix Processor
Fixed-configuration processor
20 in x 10 out matrix mixer built in
Up to 20 pattern presets can be registered
Stereo in x 2, line in x 8
Analog out x 8
 Dante network connectivity for large systems (8 in/8 out)
Original Yamaha YDIF® digital audio transfer protocol built in (16 in/16 out)
SD memory card slot x 1
Remote controllable from dedicated controller or software
Support for external AMX/Crestron controllers

The Dugan Automixer by Dan Dugan Sound Design automatically raises the gain of microphones that are receiving an input while lowering the gain of microphones that are receiving no input, adjusting channel levels to maintain consistent overall mixer gain. This eliminates the need for complex manual fader operation, safely and reliably maximizing overall clarity and intelligibility.

MRX2
Matrix Processor
Fixed-configuration processor
20 in x 10 out matrix mixer built in
Up to 20 pattern presets can be registered
Stereo in x 2, line in x 8
Analog out x 8
 Dante network connectivity for large systems (8 in/8 out)
Original Yamaha YDIF® digital audio transfer protocol built in (16 in/16 out)
SD memory card slot x 1
Remote controllable from dedicated controller or software
Support for external AMX/Crestron controllers

MRX Series

MRX7-D
SIGNAL PROCESSOR
Free-configuration processor
Stereo in x 8, line in x 8
Analog out x 8
 Dante network connectivity for large systems (64 in/64 out)
Original Yamaha YDIF® digital audio transfer protocol built in (16 in/16 out)
Min-YGDAI card slot x 1
SD memory card slot x 1
Remote controllable from dedicated controller or software
Support for external AMX/Crestron controllers

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24 in x 16 out matrix mixer built in
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Stereo in x 2, line in x 8
Analog out x 8
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Min-YGDAI card slot x 1
SD memory card slot x 1
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Support for external AMX/Crestron controllers

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Analog out x 8
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Original Yamaha YDIF® digital audio transfer protocol built in (16 in/16 out)
SD memory card slot x 1
Remote controllable from dedicated controller or software
Support for external AMX/Crestron controllers

MRX Series

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SIGNAL PROCESSOR
Free-configuration processor
Stereo in x 8, line in x 8
Analog out x 8
 Dante network connectivity for large systems (64 in/64 out)
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Min-YGDAI card slot x 1
SD memory card slot x 1
Remote controllable from dedicated controller or software
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Stereo in x 2, line in x 8
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Analog out x 8
 Dante network connectivity for large systems (8 in/8 out)
Original Yamaha YDIF® digital audio transfer protocol built in (16 in/16 out)
SD memory card slot x 1
Remote controllable from dedicated controller or software
Support for external AMX/Crestron controllers

YDIF Connection for Easier Installation

Yamaha’s YDIF protocol allows bidirectional transfer of up to 16 audio channels plus word clock over a single Ethernet cable. YDIF provides an easy way to transfer digital audio data between compatible devices.

Dugan Automixer for Conference Sound

The Dugan Automixer by Dan Dugan Sound Design automatically raises the gain of microphones that are receiving an input while lowering the gain of microphones that are receiving no input, adjusting channel levels to maintain consistent overall mixer gain. This eliminates the need for complex manual fader operation, safely and reliably maximizing overall clarity and intelligibility.
Paging Station Microphone

Paging Station Extension

**XMV Series**

**MULTI-CHANNEL POWER AMPLIFIER**

**XMV8140/XMV8280 YDF**

- Multi-channel Class D amplifiers optimized for use with MTX/MRX series processors
- Drive Lo-Z and Hi-Z speaker systems (switchable in 2-output groups)
- Channels independently switchable for analog or digital input

**XMV4140/XMV4280 YDF**

- Original Yamaha YDIF digital audio transfer protocol built-in (Only for basic model)
- Dante network connectivity for large systems (Only for “D” models)

### Output Power

<table>
<thead>
<tr>
<th>Model</th>
<th>Lo-Z 140W x 4 @ 4Ω/8Ω</th>
<th>280W x 4 @ 4Ω/8Ω</th>
<th>560W x 2 @ 4Ω/8Ω</th>
<th>280W x 4 @ 4Ω/8Ω</th>
</tr>
</thead>
<tbody>
<tr>
<td>XMV4140-D</td>
<td>250W x 4 @ 4Ω/8Ω</td>
<td>560W x 4 @ 4Ω/8Ω</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XMV4280-D</td>
<td>250W x 4 @ 4Ω/8Ω</td>
<td>560W x 4 @ 4Ω/8Ω</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### The Flexibility of Dante Network

**Daisy Chain**

When building a simple system with a small number of devices, it is recommended to use Daisy Chain. Since Dante can transfer both control and audio signals over one cable, no network switches are required for Daisy Chain networks.

**Star Network**

In a star network, each device is connected to a central hub. Using a Dante-compatible network switch enables you to configure a wide-band, large-scale network.

**Redundant Network**

It is necessary for higher reliability against unexpected network problems. It is recommended to use redundant networks.

---

**DCP Series**

**DIGITAL CONTROL PANEL**

**DCP-1V4S**

- Dedicated remote controllers for MTX/MRX and MA/PA series devices
- Power supply from host devices (MTX/MRX or MA/PA series)

**DCP-4S**

- Power supply from host devices (MTX/MRX or MA/PA series)

**DCP-4V4S**

- Power supply from host devices (MTX/MRX or MA/PA series)

---

**Power Supply**

- Power supply from host devices (MTX/MRX or MA/PA series)

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**Power Supply**

- Power supply from host devices (MTX/MRX or MA/PA series)
**ProVisionaire Touch**  [CUSTOM CONTROL PANEL]

- Easily design original, intuitive custom control panels for iPad
- No special programming skills required
- Wireless remote control of MTX/MRX systems
- Four user levels for access management

**An Intuitive Approach to Designing Flexible Controllers**

Microphone and CD player volume faders, microphone ON/OFF switches, photos, and other widgets can be freely arranged on the design page. ProVisionaire Touch provides an easy, intuitive way to create original touch controllers that are ideally configured for the target installation. Multiple design pages are available so that different control panels can be provided for different audio zones and/or users, with presets and parameter settings optimized for each.

**User Level Access Control**

Access to the control panels and design pages is controlled by three passcodes for maximum security as well as operating convenience.

1. Pass-code for screen lock: To avoid the miss operation
2. Pass-code for power user: For advanced users to move to special page(s)
3. Pass-code for administrator: For the designer to control the screen

---

**ProVisionaire Control**  [CUSTOM CONTROL PANEL]

- Easily design original, intuitive custom control panels (Windows application)
- Wireless or wired remote control of MTX/MRX systems
- Four user levels for access management
- Control a wide range of Yamaha devices, including the CL/QL series mixing consoles

**ProVisionaire Control KIOSK**

This software allows the Windows/PC/Tablet to be set up to function as a dedicated controller, preventing users from accessing the operating system or other applications so that unintended control or design changes cannot occur. Operation widgets, such as faders and switches, and monitor functions are consolidated onto one screen with ProVisionaire Control. And, the use of ProVisionaire Control KIOSK will provide smooth and safe operation of a PA system.

**Supported Devices**

- Processor: MTX3, MTX5-D, MXV1-D
- Preamp: MTX3, MTX5-D, GL-1, GL-5, TP1, TP5, TP-REACH
- Power Amplifier: XMV4140, XMV4140-D, XMV4280, XMV4280-D, XMV8140, XMV8140-D, XMV8280, XMV8280-D
- I/O: EXi8, EXo8
- Rio3224-D, Rio1608-D, Tio1608-D

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**MTX-MRX Editor**  [CUSTOM CONTROL PANEL]

- Dedicated software application for MTX/MRX series system design (Windows application)
- Allows total input-to-output system design
- Efficient user interfaces designed to support installation workflow
- Includes a wealth of components ideal for installation needs

**Design Workflow**

1. Device Layout Wizard
   A wizard format makes it easy to select required devices and arrange them as needed.

2. Component Configuration
   Connect the required sound processing and editing functions (components) for each device by virtual “wires”.

3. External Controller Setup
   Set up the parameters to be controlled by external control devices.

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**Components list (MRX7-D)**

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acoustic Echo Canceler</td>
<td>Input / Output, Input, Output, SD CARD, SLOT</td>
</tr>
<tr>
<td>Auto Gain Control</td>
<td>Mixer (Delay Matrix, Echo Generator, Matrix Mixer)</td>
</tr>
<tr>
<td>Combiner (Room Combiner, Room Combiner plus Automixer)</td>
<td>Delayer</td>
</tr>
<tr>
<td>Delay</td>
<td>Polarity</td>
</tr>
<tr>
<td>Dynamics (Compressor, Ducker, Gate, Limiter, Panning Ducker)</td>
<td>Automixer-Control Component</td>
</tr>
<tr>
<td>Effect</td>
<td>Repeater</td>
</tr>
<tr>
<td>EQ (GEO, PEQ)</td>
<td>Source Selector</td>
</tr>
<tr>
<td>Fader</td>
<td>Speaker Processor</td>
</tr>
<tr>
<td>Feedback Suppressor (Pitch Shift FBS, Noise FBS)</td>
<td>Speech Privacy</td>
</tr>
<tr>
<td>Filter (LPF, HPF)</td>
<td>Transmitter / Receiver</td>
</tr>
</tbody>
</table>

* As of ProVisionaire Touch V1.2 it is also possible to create control panels for Yamaha MusicCast® compatible devices and Disklavier** ENSPHERE series player pianos. Find the latest information at [http://www.yamahaproaudio.com](http://www.yamahaproaudio.com)
Since Yamaha was established over 125 years ago, the company has built an enviable reputation in the development and manufacture of musical instruments, home audio, and professional audio products that have been defining influences in a variety of fields. When you need top-quality sound for a commercial space that comes with added entertainment value, Yamaha has the solutions.

**Entertainment**

A space where BGM is interwoven with real instruments

“We’d like to be able to change moods according to the situation and time of day: a refreshing environment in the morning and a moody atmosphere at night.”

In situations like this, particularly in hotels and restaurants, a system like the following might be ideal. A BGM system based around an MTX3 and XMV4280 is augmented by live piano, an instrument for which Yamaha is well known. BGM is supplied by a CD-NT670 CD player and WXC-50 wireless streaming amplifier. The piano is a Disklavier™ ENSPIRE series acoustic player piano. The ProVisionaire Touch iPad application can be used for remote wireless ON/OFF switching, volume control, and more, allowing the mood of the environment to be adjusted to suit different times of day and events.*

* ProVisionaire Touch V1.2 or higher required.
Uniquely Yamaha System Solutions

A relaxing environment that is occasionally used for entertainment

“We need a sound system that is normally used to deliver BGM, but can also support live sound for events.”

Here’s a system that fulfills this customer’s requirements, and is recommended for bars and restaurants that occasionally host live events. To achieve optimum sound quality for both applications, Yamaha suggests using separate systems for BGM playback and live sound support.

In this example BGM playback is handled by an MA2030a mixing amplifier and VXS series speakers. An extremely compact satellite speaker system consisting of VXS1ML and VXS3S units delivers astonishingly rich, dynamic sound for its size. Because the VXS3S supports high-impedance connection, multiple satellite speaker systems can be connected to a single amplifier channel. Live sound support is one of Yamaha’s specialties, and a great deal of that expertise is condensed into compact STAGEPAS series portable PA systems that include all the basics needed for high quality live sound: mixer, amplifier, and speakers. Follow the setup guide printed on the back of the devices, connect instruments and/or microphones, and you’re ready to deliver unforgettable performances.

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.

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.

Portugal PA Systems
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.

Home Audio Systems
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.

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.
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.

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.

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.

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.

Contributing to a Better Society
Yamaha’s corporate slogan 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.