

Corporate systems Conference rooms

Educational facilities

System Design Guide for Audio Installation

Amusement facilities

and theaters

Hotels and banquet halls

Retail/commercial facilities

Support Book for System Plan

System Design Guide for Installations

Introduction

AV installations have evolved greatly due to the evolution of technology.

The evolution of video, lighting and network technologies has created new experience-based services to appear and trigger the demand for a new approach. Because of this, proper technical knowledge for this new environment is becoming more and more essential, and this knowledge is required not only from system engineers, but also from salespeople in order to guide customers into creating a successful system.

We have produced this design guide to meet such needs, and to visually present project proposals more clearly by illustrating system examples based on application or project type.

TEAC CORPORATION January 2020

Conference rooms / Corporate systems

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1-1 AV system for small-mid scale conferences

Space Saving

DSP Sound Adjustment

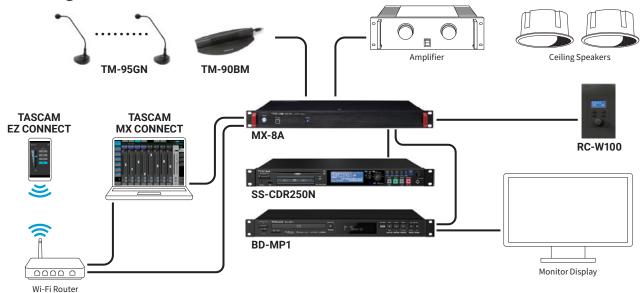
Easy Control via Smartphones

Microphones and other audio equipment inside the conference room can be all managed using the 1U sized MX-8A matrix mixer, which can be mounted in a rack with other equipment creating a compact and space-saving system. Detailed sound field and microphone levels can be configured with the TASCAM MX CONNECT control software for integrators, while using the TASCAM EZ CONNECT control software will allow end-users to easily adjust volume or select sources for the entire room.

The MX-8A has a 2 in / 2 out USB audio interface function, making it possible to directly record to or playback minutes files from a computer. The USB I/O also allows the use of software conferencing applications directly with the in-room audio system, for connecting remote meeting attendees. Equipped with balanced audio outputs, the BD-MP1 professional-grade Blu-ray player can be added to this system for video playback.



System Diagram



Product Name	Model Number	Remarks
8 in / 8 out matrix mixer with built-in DSP	MX-8A	
Wall-mount programmable controller	RC-W100	
Control software for system integrators / managers	TASCAM MX CONNECT	
Control software for end-users	TASCAM EZ CONNECT	
Solid state / CD stereo audio recorder	SS-CDR250N	
Blu-ray™player	BD-MP1	
Gooseneck microphone	TM-95GN	
Boundary microphone	TM-90BM	

1-2 Centralized management and operation of minutes recording data server

Clear Sound

Automatic File Upload

Server Management

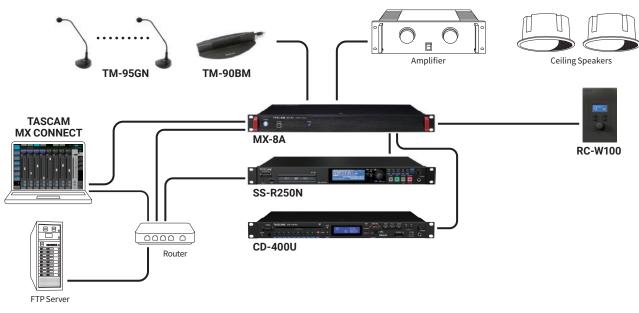
This system can be constructed by adding the SS-R250N to a sound system based on the MX-8A. Easy-to-hear audio enhances the ability to transcribe minutes efficiently by incorporating the MX-8A between the microphones and the recorder.

This allows appropriate sound level adjustment using the EQ and compressor sound processing functions creating the optimal audio quality for transcriptions.

In addition to recording to SD cards and USB flash memory, the SS-R250N can also automatically upload recorded data to FTP servers, making it easier to archive or manage recorded files for later transcription.



System Diagram



Product Name	Model Number	Remarks
8 in / 8 out matrix mixer with built-in DSP	MX-8A	
Solid state audio recorder	SS-R250N	
CD/SD/USB player with Bluetooth [®] receiver and FM/AM tuner	CD-400U	
Gooseneck microphone	TM-95GN	
Boundary microphone	TM-90BM	
Control software for system integrators / managers	TASCAM MX CONNECT	
Wall-mount programmable controller	RC-W100	

1-3 Sound system for conference rooms

Multi-person Mic Control

Individual Speaker Recording

DAW Linked

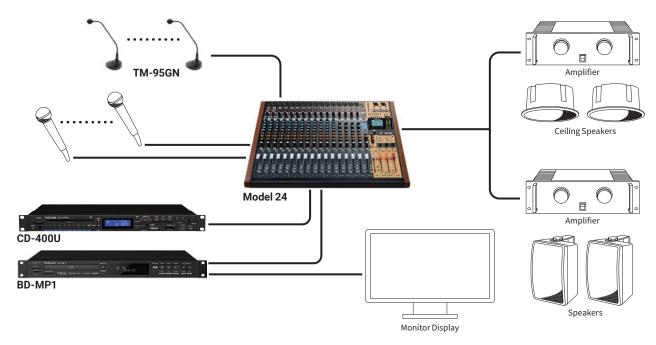
For larger conference systems where loudspeakers are installed and each attendee has an individual microphone, a mixer that supports multiple mic input connection like Model 24 is required.

Model 24's 16 mic preamps support up to 16 microphones and has the function to work as a multi-track recorder or as a USB audio interface.

Used as a multi-track recorder, each audio channel is recorded on a separate track, allowing easier track down of each attendee's voice by just linking them to their respective input channel.



System Diagram



Product Name	Model Number	Remarks
24 track recording mixer	Model 24	
CD/SD/USB player with Bluetooth [®] receiver and FM/AM tuner	CD-400U	
Blu-ray™ player	BD-MP1	
Gooseneck microphone	TM-95GN	

1-4 Corporate presentations / live streaming system

Video Streaming to Remote Locations

Multicast Streaming

4K Video Support

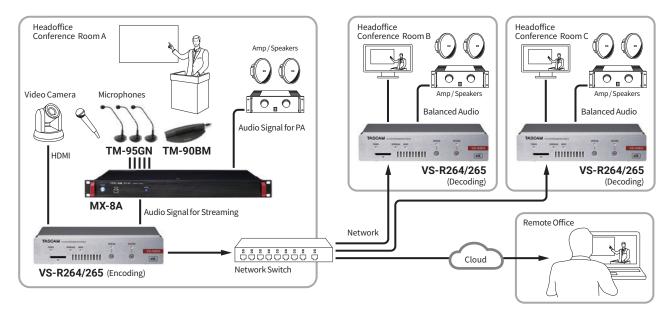
AVolP

It is possible to perform and send presentations to other conference rooms or remote offices by building a multicast streaming system using the Full HD VS-R264 or the 4K compatible VS-R265.

This system can be used for a wide variety of purposes such as streaming lectures or training sessions remotely to satellite offices and sites, or sharing performance reports to shareholders, etc.



System Diagram



Product Name	Model Number	Remarks
Full HD AV over IP encoder / decoder	VS-R264	
4K AV over IP encoder / decoder	VS-R265	
8 in / 8 out matrix mixer with built-in DSP	MX-8A	
Gooseneck microphone	TM-95GN	
Boundary microphone	TM-90BM	

1-5 Live streaming system for lectures and seminars

Expand Viewing Locations

Live Streaming

Video Archiving

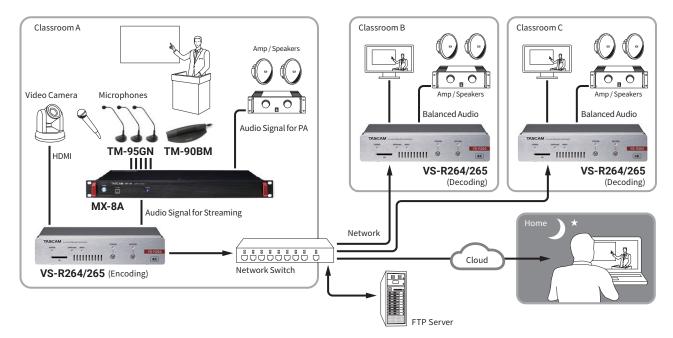
AVolP

Use the VS-R264 or VS-R265 to encode the lectures or seminars' live footage, decode and stream them to another room or via video streaming services allowing participants to virtually enroll in the lectures.

Lectures and seminars can be archived without the need to prepare other special equipment by using the recording function in the VS-R264 and VS-R265. Both models can automatically upload recorded files to a server, making it easier to manage data for later editing.



System Diagram



Product Name	Model Number	Remarks
Full HD AV over IP encoder / decoder	VS-R264	
4K AV over IP encoder / decoder	VS-R265	
8 in / 8 out matrix mixer with built-in DSP	MX-8A	
Gooseneck microphone	TM-95GN	
Boundary microphone	TM-90BM	

1-6 Internet live broadcast system for parliaments and committees

Live Streaming

On-demand Streaming

Video Archiving

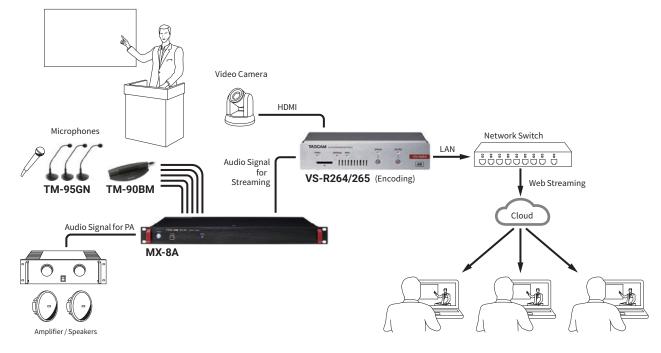
AVolP

The VS-R264 or the VS-R265 can be used to encode and stream live footage of parliaments / committee conferences via video streaming services.

Streamed footage can be simultaneously recorded and uploaded to a server for archiving, allowing the option to access to footage of past conferences.



System Diagram



Product Name	Model Number	Remarks
Full HD AV over IP encoder / decoder	VS-R264	
4K AV over IP encoder / decoder	VS-R265	
8 in / 8 out matrix mixer with built-in DSP	MX-8A	
Gooseneck microphone	TM-95GN	
Boundary microphone	TM-90BM	

1-7 Audio for simple conferencing system

Small Web Conference System

Clear Audio

PoE Supported

@Dante

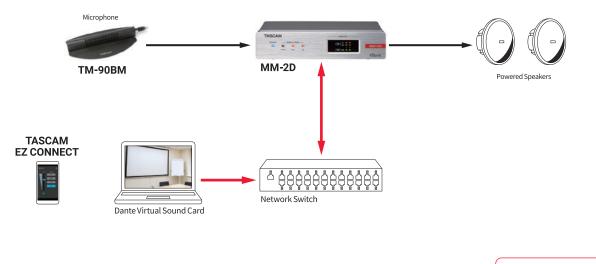
Using the 2 mic in / 2 line out MM-2D converter will enable the construction of simple and easy video conference systems with optimal sound adjustment thanks to the integrated DSP mixer with compressor and EQ features.

In addition, the MM-2D's PoE support will eliminate the need for AC power supplies when used with a switching hub.



@Dante

System Diagram





Product Name	Model Number	Remarks
2 mic in / 2 line out Dante converter with built-in DSP mixer	MM-2D-X	
DCP control software for system integrators / managers	TASCAM DCP CONNECT	
Control software for end-users	TASCAM EZ CONNECT	
DCP series dedicated AC adapter	PS-P1220E	Not required if using a PoE switching hub
Boundary microphone	TM-90BM	

1-8 Multi-channel recording system for parliament conferences

Less Wiring and Installation Procedures

Long Distance Audio Transmission

Individual Recording

Dante

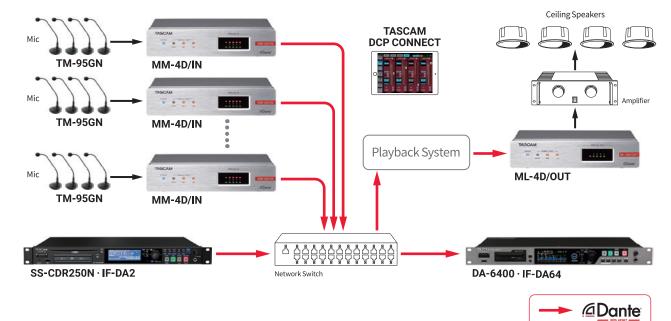
This conference recording system is optimal for large-scale conferences in which each participant requires individual microphones. The MM-4D/ IN Dante converter allows the connection of up to 4 microphones per unit; after audio is converted to Dante signals, these can be transmitted long distances, requiring less wiring and installation procedures.

The built-in DSP functions in the MM-4D/IN, such as high pass filter and limiter, will enable fine adjustment for a more articulate audio quality.

In addition, routing signals via Dante will give users the option to do multi-channel recordings.



System Diagram



Product Name	Model Number	Remarks
4 mic in / 4 line in Dante converter with built-in DSP mixer	MM-4D/IN-X	
4 line out Dante converter with built-in DSP mixer	ML-4D/OUT-X	
DCP control software for system integrators / managers	TASCAM DCP CONNECT	
Control software for end-users	TASCAM EZ CONNECT	
DCP series dedicated AC adapter	PS-P1220E	
DCP series dedicated rackmount shelf	AK-RS1	
Solid state / CD stereo audio recorder	SS-CDR250N	
SS-R250N dedicated Dante interface card	IF-DA2	
64-channel digital multitrack recorder	DA-6400	
Dante Interface Card for DA-6400	IF-DA64	
Gooseneck microphone	TM-95GN	

2-1 AV system for audiovisual classrooms

Blu-ray[™]

Multi-media Playback

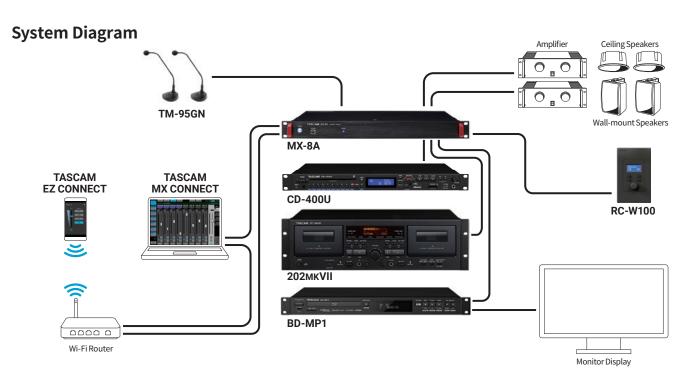
Cassette Tape Playback

Introducing TASCAM's line-up of media players will enable flexible playback of educational materials brought to class in various formats. For video playback there is the BD-MP1.

For audio playback, CD-400U enables playback from CD, SD and USB sources, as well as audio from smartphones or tablets via Bluetooth.

In addition, the 202MKVII double cassette deck can be use in case cassette tapes are brought to class.





Product Name	Model Number	Remarks
8 in / 8 out matrix mixer with built-in DSP	MX-8A	
Control software for system integrators / managers	TASCAM MX CONNECT	
Control software for end-users	TASCAM EZ CONNECT	
Wall-mount programmable controller	RC-W100	
CD/SD/USB player with Bluetooth® receiver and FM/AM tuner	CD-400U	
Double cassette deck	202мк VII	
Blu-ray™ player	BD-MP1	
Gooseneck microphone	TM-95GN	

2-2 Uploading system for audiovisual classrooms

Server Management

Timer Recording

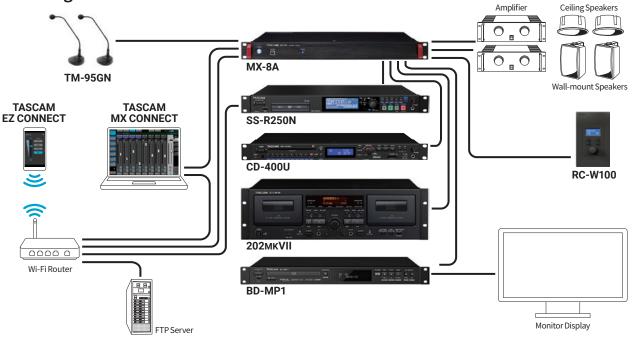
Automatic Archiving

Use the SS-R250N solid state recorder to record and archive audio files of lectures in combination with the presenter's proper mic audio level processed by the MX-8A.

In addition to recording files to SD cards and USB flash memory, the timer function of the SS-R250N will record scheduled lectures and automatically upload files to a designated server without the need of extra controls, allowing easy data archiving and management.



System Diagram



Product Name	Model Number	Remarks
8 in / 8 out matrix mixer with built-in DSP	MX-8A	
Wall-mount programmable controller	RC-W100	
Control software for system integrators / managers	TASCAM MX CONNECT	
Control software for end-users	TASCAM EZ CONNECT	
Solid state audio recorder	SS-R250N	
CD/SD/USB player with Bluetooth® receiver and FM/AM tuner	CD-400U	
Double cassette deck	202мкVII	
Blu-ray™player	BD-MP1	
Gooseneck microphone	TM-95GN	

2-3 Sound system for auditoriums / gymnasiums

Flexible Connectivity

Speech and Recital Recording

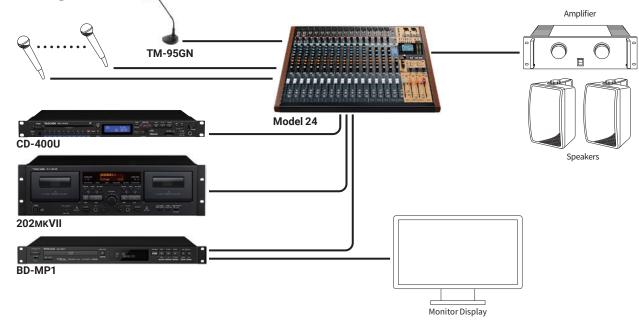
Bluetooth Playback

The Model 24 multi-functional hybrid mixer is the optimal choice for acoustic systems in auditoriums, in where assemblies, lectures and recitals are often held. Audio sources from microphones and playback devices can be flexibly routed to the 22-channel analog inputs that consist of 20 balanced inputs (12 mono, 4 stereo) and 1 unbalanced stereo input.

Model 24 will provide full and flexible connectivity for events like recitals and concerts in which multiple microphones are required, as well as wireless background music playback through the Bluetooth receiver included on the unit. In addition, Model 24's recording function also allows the recording of important speeches and recitals.



System Diagram



Product Name	Model Number	Remarks
24 track recording mixer	Model 24	
CD/SD/USB player with Bluetooth® receiver and FM/AM tuner	CD-400U	
Double cassette deck	202мкVII	
Blu-ray ™ player	BD-MP1	
Gooseneck microphone	TM-95GN	

2-4 Live streaming / recording system for lectures and seminars

Live Streaming

On-demand Streaming

High Resolution Recording

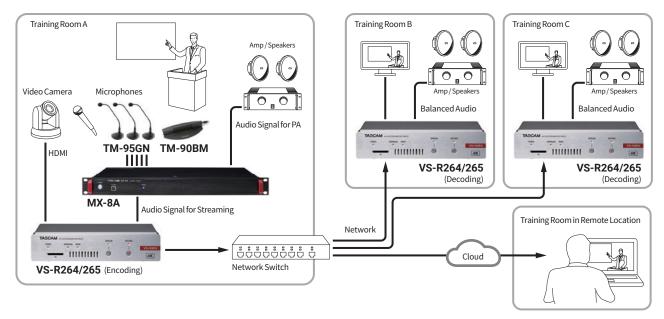
AVolP

Projection systems are used more frequently for lectures and seminars at educational facilities; real-time streaming to remote locations improves convenience, and boosts people's engagement and commitment towards the content they are viewing.

Moreover, recording high resolution content allows for later editing or redistribution, and is a great advantage and source for new teaching materials/products.



System Diagram



Product Name	Model Number	Remarks
Full HD AV over IP encoder / decoder	VS-R264	
4K AV over IP encoder / decoder	VS-R265	
8 in / 8 out matrix mixer with built-in DSP	MX-8A	
Gooseneck microphone	TM-95GN	
Boundary microphone	TM-90BM	

3-1 Multi-sound playback system

Multi-Channel Playback

Cable Reduction

External Control

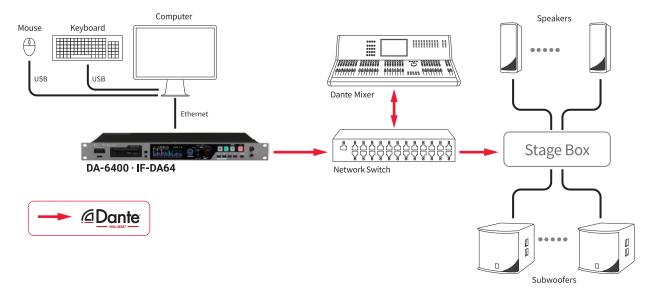
@Dante

The DA-6400 multi-track recorder allows source playback of up to 64 channels.

With the optional Dante converter card IF-DA64, 64 channels can be transmitted with just one LAN cable.



System Diagram



Product Name	Model Number	Remarks
64ch digital multi-track recorder/player	DA-6400	
Dante interface card for DA-6400	IF-DA64	

3-2 Live streaming system

Live Streaming

4K, Full HD Support

Video Archiving

AVolP

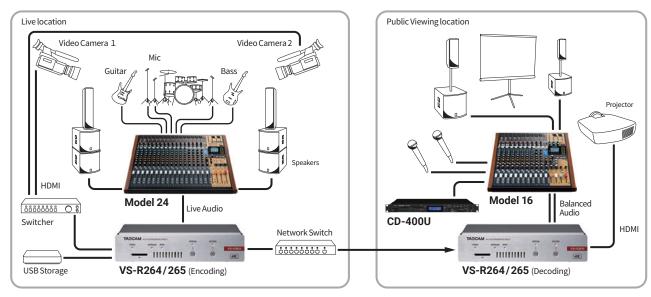
The VS-R264 / VS-R265 can be used for live performance streaming solutions as a streaming device. Installing these as decoders at different locations within a venue, or at separate venues will easily enable the construction of public viewing / monitoring systems.

The implemented balanced inputs and outputs on VS-R264 / VS-R265 also facilitates the connection to sound systems at the main venue (encoder) and public viewing (decoder) sites.

In addition, with the recording function and the uploading function to FTP servers, both streaming and file archiving can be done at the same time, allowing easy management of content files for later use included for sale.



System Diagram



Product Name	Model Number	Remarks
Full HD AV over IP encoder / decoder	VS-R264	
4K AV over IP encoder / decoder	VS-R265	
24 track recording mixer	Model 24	
16 track recording mixer	Model 16	
CD/SD/USB player with Bluetooth® receiver and FM/AM tuner	CD-400U	

3-3 PA wireless mic system for theaters using Dante

Cable Reduction

Compact System

Long Distance Transmission

Dante

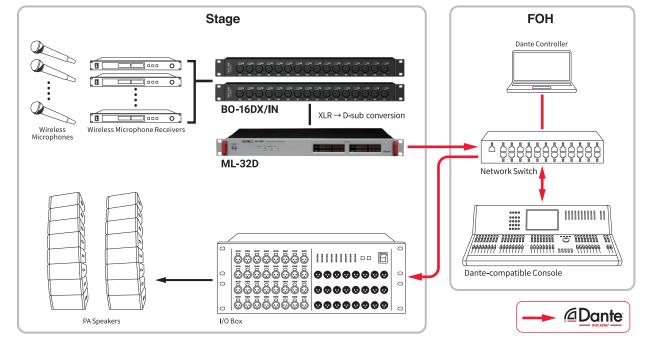
For theater stages and environments where multiple wireless microphones are needed for the performers, connecting all wireless microphones' audio signals into the ML-32D or the ML-16D will enable a simplified and compact system.

The output audio signals coming from the wireless microphone's receivers are converted from analog to Dante with the ML-32D / ML-16D. After assigning signals on a Dante-compatible console, long-distance transmission from stage to FOH can be done with the minimum amount of cables.

Additionally, signal input to ML-32D /ML16-D's analog D-sub input terminal can be done by introducing the XLR to D-sub conversion breakout box BO-16DX/IN.



System Diagram



Product Name	Model Number	Remarks
32 analog line I/O Dante converter	ML-32D	
16 analog line I/O Dante converter	ML-16D	
16 channel D-sub 25-pin XLR input breakout box	BO-16DX/IN	

4-1 Sound system for small banquet halls, lectures and conferences

Intuitive Controls

Speech & Sideshow Recording

Space Saving

The intuitive controls on the Model 16 analog mixer provide easy sound adjustment and operation for small banquet halls. Microphones and instruments as well as playback equipment can be all easily connected to the 14-channel analog inputs.

Smartphone or tablet sources can be wirelessly streamed with the integrated Bluetooth receiver. In addition, users can record speeches or live music performances with Model 16's multi-track recording function.



System Diagram

Product Name	Model Number	Remarks
16 track recording mixer	Model 16	
Double cassette deck	202мкVII	
CD player	CD-200BT	
Blu-ray™ player	BD-MP1	
Gooseneck microphone	TM-95GN	

4-2 System for multi-purpose banquet halls

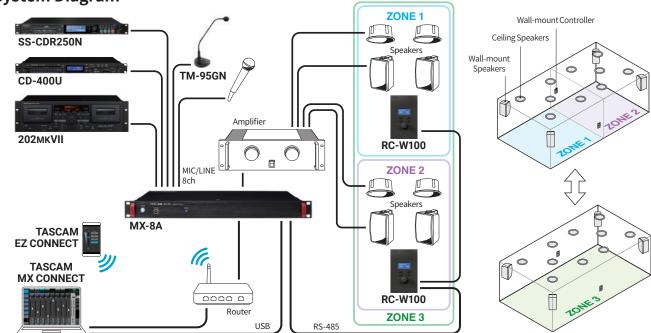
Space Saving

Sound Adjustment per Area

Scene Preset

Multi-use banquet halls are commonly used for wedding receptions, banquets, conferences and more. Depending on the usage or the way these halls are divided, there is a variety of sound system requirements. With the MX-8A, different sources and routing destinations can be registered to meet such configurations, allowing quick switching of sound system presets for quick adaptation to the environment and situation.





System Diagram

Product Name	Model Number	Remarks
8 in / 8 out matrix mixer with built-in DSP	MX-8A	
Wall-mount programmable controller	RC-W100	
Control software for system integrators / managers	TASCAM MX CONNECT	
Control software for end-users	TASCAM EZ CONNECT	
Solid state / CD stereo audio recorder	SS-CDR250N	
CD/SD/USB player with Bluetooth® receiver and FM/AM tuner	CD-400U	
Double cassette deck	202мкVII	
Gooseneck microphone	TM-95GN	

4-3 Playback system for banquet rooms and event spaces

System Management

Sound Adjustment per Area

Scene Preset

Dante

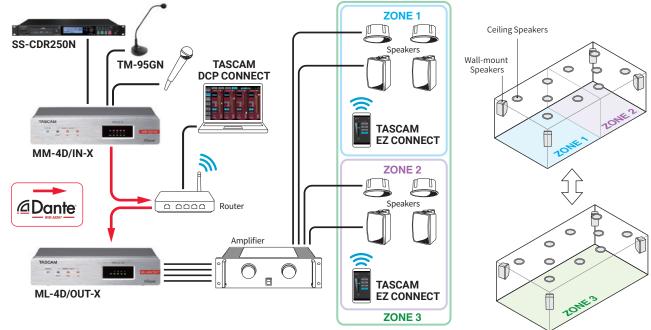
In cases where particular rooms need to be divided, or need to be changed several times a day, users can build up optimal systems depending on factors such as time and usage.

The ML-4D/OUT enables line output to 4 different areas, and with the included compressor, EQ, and other DSP functions, optimal sound adjustment can be done for each individual area. Adjustments can be registered as presets, making it easier to recall the optimal sound setting for each area.

Moreover, adding extra MM-4D/IN and ML-4D/OUT units will allow for the expansion of input and output channels, even if there are many rooms to control. All units can be managed through a network connection using the TASCAM DCP CONNECT software.



System Diagram



Product Name	Model Number	Remarks
4 mic in / 4 line in Dante converter with built-in DSP mixer	MM-4D/IN-X	
4 line out Dante converter with built-in DSP mixer	ML-4D/OUT-X	
DCP control software for system integrators / managers	TASCAM DCP CONNECT	
Control software for end-users	TASCAM EZ CONNECT	
DCP series dedicated AC adapter	PS-P1220E	
DCP series dedicated rackmount shelf	AK-RS1	
Solid state / CD stereo audio recorder	SS-CDR250N	
Gooseneck microphone	TM-95GN	

5-1 Sound system for retail stores

Individual Zone Playback

Bluetooth Playback

Clear Audio Announcements

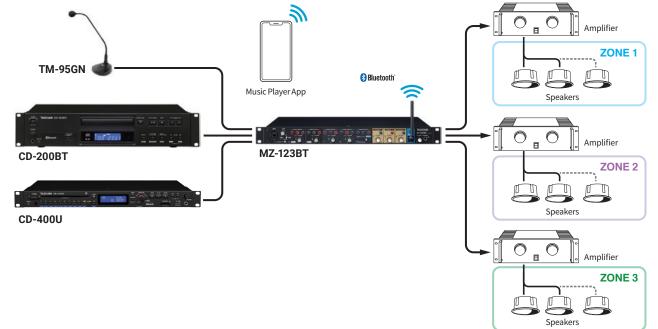
Background music sources can be assigned individually to each of the 3 independent zone outputs of the MZ-123BT, allowing different background music to play in separate areas of a retail store.

Music sources can be played by connecting other TASCAM playback equipment, or via smartphones / tablets using the integrated Bluetooth receiver in the MZ-123BT.

This model also provides 2 microphone inputs and a convenient talkover function, which will automatically detect mic signal input and attenuate background music levels, enabling clear audio in-store announcements.



System Diagram



Product Name	Model Number	Remarks
3 zone audio mixer with Bluetooth® receiver	MZ-123BT	
CD player	CD-200BT	
CD/SD/USB player with Bluetooth [®] receiver and FM/AM tuner	CD-400U	
Gooseneck microphone	TM-95GN	

5-2 PA system for waiting rooms

Clear Announcements

Individual Zone Playback

Fader Operation

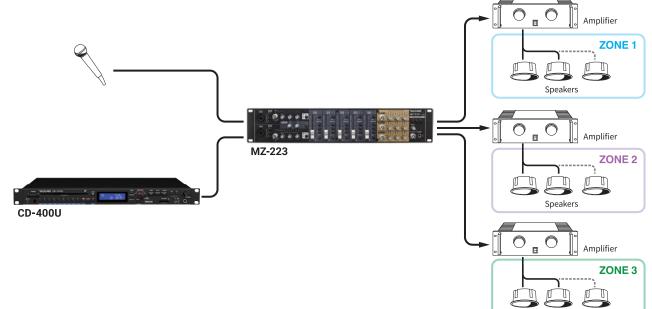
MZ-223's talkover function makes it a suitable choice for waiting rooms in facilities where customer paging is required. The talkover function will automatically detect mic signal input and attenuate background music levels, enabling easy-to-hear announcements and paging.

Also, the 3 independent outputs in MZ-223 allows for background music and announcements to be separately played in areas other than the waiting room.



Sneaker

System Diagram



Product Name	Model Number	Remarks
3 zone mixer	MZ-223	
CD/SD/USB player with Bluetooth® receiver and FM/AM tune	CD-400U	

5-3 BGM/announcement playback system for area division in shopping malls, etc.

Individual Zone Playback

System Management

Easy Expansion

@Dante

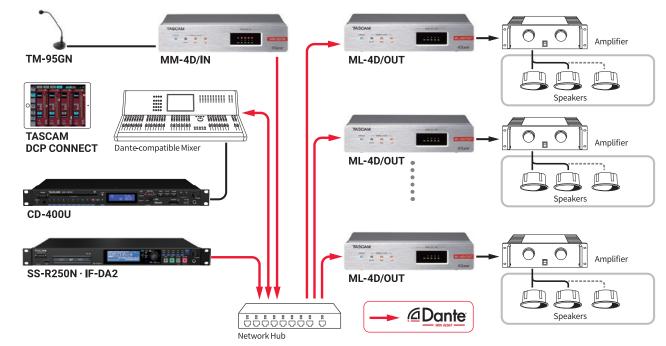
Using the MM-4D/IN and the ML-4D/OUT will enable each floor or area to have different background music and announcement playback, as well as optimal sound adjustment thanks to the ducking and ANC* functions installed in both units.

Meanwhile, Dante conversion and connectivity will allow for longdistance signal transmission, easy input/output expansion, and the reduction of wiring / installation procedures.

*ANC (ambient noise compensator) function: will automatically adjust the main volume according to the surrounding noise levels for clearer background music and announcement playback.



System Diagram



Product Name	Model Number	Remarks
4 mic in / 4 line in Dante converter with built-in DSP mixer	MM-4D/IN	
4 line out Dante converter with built-in DSP mixer	ML-4D/OUT	
DCP control software for system integrators / managers	TASCAM DCP CONNECT	
Control software for end-users	TASCAM EZ CONNECT	
DCP series dedicated AC adapter	PS-P1220E	
DCP series dedicated rackmount shelf	AK-RS1	
Solid state audio recorder	SS-R250N	
SS-R250N dedicated Dante interface card	IF-DA2	
Gooseneck microphone	TM-95GN	

5-4 BGM system for restaurants

Individual Zone Playback

DSP Sound Adjustment

Clear Announcements

The MX-8A enables the construction of a variety of sound systems depending on the application or environment. In this case, using the MX-8A will allow users to assign different background music to the main floor and lounging area, or use the same source but at different volume levels depending on the area.

The ANC* function installed in MX-8A will automatically turn up the microphone volume according to the surrounding noises, providing clear announcements even in noisy environments.

*ANC (ambient noise compensator) function: will automatically adjust the main volume according to the surrounding noise levels for clearer background music or announcement playback.



System Diagram ZONE 1 Th Ľ Speakers TASCAM **EZ CONNECT** B TM-95GN **ZONE 2** LINE OUT MIC/LINE Th Π 8ch 8ch Speakers RC-W100 . MX-8A SS-CDR250N **ZONE 3** USB **CD-400U** Speakers TASCAM TASCAM **MX CONNECT EZ CONNECT** 202мкVII **ZONE 4** Th Į Speakers RC-W100 RS-485 Router

Product Name	Model Number	Remarks
8 in / 8 out matrix mixer with built-in DSP	MX-8A	
Wall-mount programmable controller	RC-W100	
Control software for system integrators / manager	TASCAM MX CONNECT	
Control software for end-users	TASCAM EZ CONNECT	
Solid state / CD stereo audio recorder	SS-CDR250N	
CD/SD/USB player with Bluetooth® receiver and FM/AM tuner	CD-400U	
Double cassette deck	202мкVII	
Gooseneck microphone	TN-95GN	

5-5 Video Distribution

Long Distance Transmission

Multi-Monitor <u>Di</u>splay

System Management

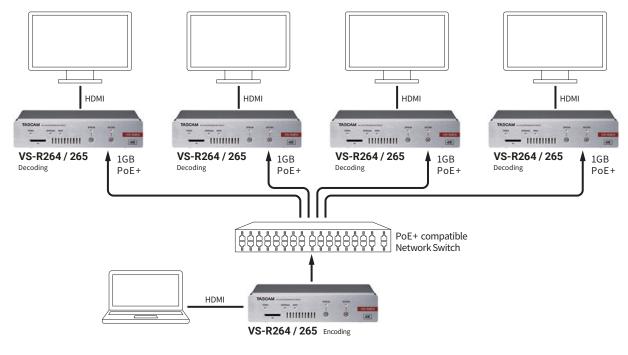
AVolP

Using VS-R264 / VS-R265's encoding and decoding functions, video images on a computer can be shown on multiple displays allowing the construction of digital signage systems for office buildings, stations, hotel lobbies, etc.

Also, adding a PoE+ network switch will eliminate the need for using AC power supplies, making it possible to reduce space and construction procedure costs.



System Diagram



Product Name	Model Number	Remarks
Full HD AV over IP encoder / decoder	VS-R264	
4K AV over IP encoder / decoder	VS-R265	
DCP series dedicated rackmount shelf	AK-RS1	

6-1 Communication system for recording studios

Flexible Routing

Easy Expansion

Remote Gain Control

Dante

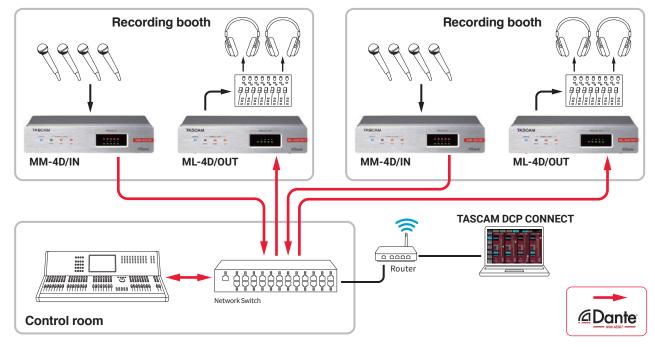
Create easy communication systems between multiple recording booths and the main control room using Dante network audio. Flexible connection and routing can be done via Dante Controller without the need to send signals through the recording console and other lines.

Moreover, adding the MM-2D (2 mic / line in / out), MM-4D/IN (4 mic in), and ML-4D (4 line out) Dante converters will allow for a flexible expansion of input and output channels.

Each unit is equipped with a DSP mixer, allowing gain control and other functions be adjusted via TASCAM DCP CONNECT control software.



System Diagram



Product Name	Model Number	Remarks
4 mic in / 4 line in Dante converter with built-in DSP mixer	MM-4D/IN-X	
4 line out Dante converter with built-in DSP mixer	ML-4D/OUT-X	
DCP control software for system integrators / manager	TASCAM DCP CONNECT	
DCP series dedicated AC adapter	PS-P1220E	
DCP series dedicated rackmount shelf	AK-RS1	

6-2 Main studio – live remote communication system

Long Distance Transmission

System Management

Less Wiring

@Dante

Transmit Dante signals by connecting both the live remote site (OB vans) and the main studio using a LAN network.

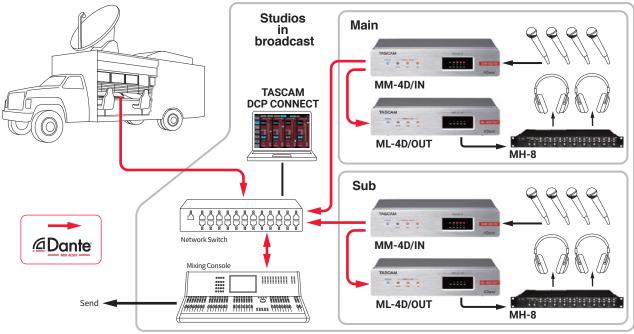
Once program material is sent back to the studio via Dante, it can be mixed with other audio sources and then be broadcasted.

Using the MM-2D (2 mic in / 2 line out) will also facilitate voice communication between studios and remote sites.





System Diagram



Product Name	Model Number	Remarks
4 mic in / 4 line in Dante converter with built-in DSP mixer	MM-4D/IN-X	
4 line out Dante converter with built-in DSP mixer	ML-4D/OUT	
DCP control software for system integrators / manager	TASCAM DCP CONNECT	
8-ch headphone amplifier	MH-8	
Monitor stereo headphones	TH-02	
DCP series dedicated AC adapter	PS-P1220E	
DCP series dedicated rackmount shelf	AK-RS1	

6-3 PA/SR system using Dante

Cable Reduction

Flexible Recording and Playback

Remote Operation

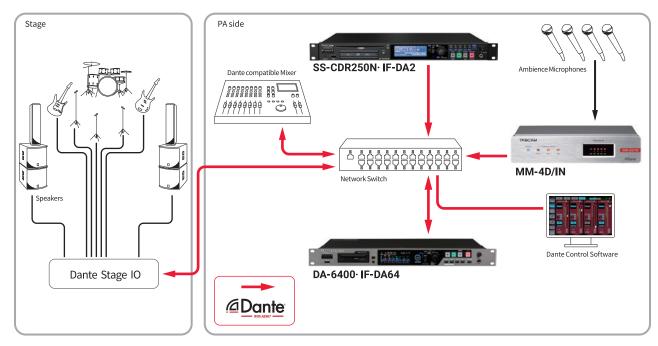
Dante

Significantly reduce physical wiring connections between the stage and PA mixer by applying Dante multi-channel audio transmission. This allows the transmission of audio data, but also control signals for each Dante device settings.

Adding an SS-CDR250N 2-channel audio recorder/player to the system will enable background music playback and program recording. In addition, the DA-6400 64-channel recorder/player can be adapted to any application in which multi-track recording / playback is required. For ambient sound recordings, the MM-4D/IN-X will easily add and connect mic signals onto the Dante system. When on the same network, remote configuration of mic gain and dynamics can be done using the TASCAM DCP CONNECT control software.



System Diagram



Product Name	Model Number	Remarks
4 mic in / 4 line in Dante converter with built-in DSP mixer	MM-4D/IN-X	
Solid state / CD stereo audio recorder	SS-CDR250N	
SS-R250N dedicated Dante interface card	IF-DA2	
64ch digital multi-track recorder/player	DA-6400	
Dante interface card for DA-6400	IF-DA64	
DCP control software for system integrators / manager	TASCAM DCP CONNECT	

6-4 PA system expansion using Dante

Cable Reduction

Easy Expansion

Long Distance Transmission

^(a)Dante

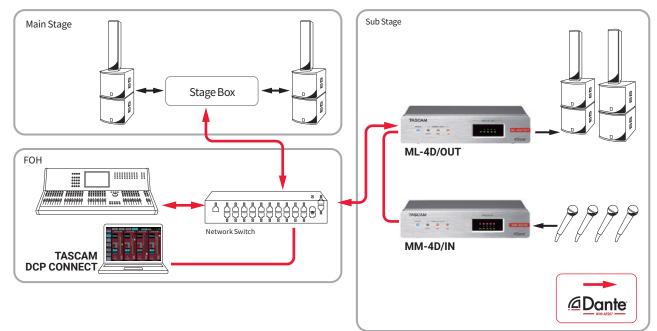
By applying Dante long distance multi-channel audio transmission, PA systems can easily be expanded with the minimum quantity of cables to areas other than the main stage including sub-stages or the entrance halls.

Combining MM-4D/IN (4 mic / line in) and ML-4D/OUT (4 line out) to the system will flexibly handle the required number of inputs and outputs.

In addition, the installed DSP mixer on all Dante Compact Processor models will allow for the optimal sound adjustment for each different location and environment.



System Diagram



Product Name	Model Number	Remarks
4 mic in / 4 line in Dante converter with built-in DSP mixer	MM-4D/IN-X	
4 line out Dante converter with built-in DSP mixer	ML-4D/OUT-X	
DCP control software for system integrators / manager	TASCAM DCP CONNECT	
DCP series dedicated AC adapter	PS-P1220E	
DCP series dedicated rackmount shelf	AK-RS1	

6-5 Dante I/O channel expansion in Pro Tools

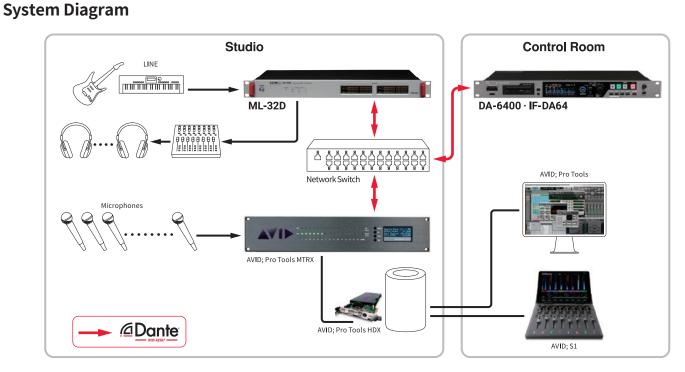
Easy Expansion

Cable Reduction

Space Saving

Dante

Combining Dante's remarkable ability to transmit multiple channels at once via a single Cat5e cable with the 1U-sized 32 line in/out ML-32D (or 16 line in/out ML-16D) converter will enable an easy and compact channel-expansion solution for your Pro Tools system.



TASCAM Equipment Installed

Product Name	Model Number	Remarks
32 analog line I/O Dante converter	ML-32D	
16 analog line I/O Dante converter	ML-16D	
64ch digital multi-track recorder/player	DA-6400	
Dante interface card for DA-6400	IF-DA64	

* For more information on AVID products, please contact: https://www.avid.com/learn-and-support/contact-support Broadcasting stations and studios

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