WYAMAHA

MTX Setup Manual

This manual serves as an introduction to possible installation methods and application examples for the MTX series of DSP processors used in conjunction with MTX-MRX Editor control software.

Please refer to the owner's manual on a device about the details of MTX, and refer to the "MTX-MRX Editor User Guide" (PDF file) about the details of MTX-MRX Editor.

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Introduction

The MTX Setup Manual explains how to create setups using the MTX and MTX-MRX Editor.

As examples, we will provide simple explanations of the typical setups described below.

For detailed parameter settings, refer to "MTX-MRX Editor User Guide" and to the owner's manual and installation manual of the XMV, MTX, DCP, MCP1, and PGM1.

When you install MTX-MRX Editor, the five example files described here will be found in the following folders.

• 32-bit operating system

C:\Program Files\Yamaha\MTX-MRX Editor\V*.*\ProjectFile

• 64-bit operating system

C:\Program Files(x86)\Yamaha\MTX-MRX Editor\V*.*\ProjectFile

. will be the version of the installed MTX-MRX Editor.

Example 1 : MTX3 basic system-*.mtx Example 2 : MTX3 XMV digital system-*.mtx Example 3 : MTX3+MCP1 cascade example-*.mtx Example 4 : MTX5-D Dante system-*.mtx Example 5 : MTX5-D+PGM1 Shopping mall-*.mtx

-* is a management number. In some cases, there will be no -*.

Example 1) Basic MTX3 system example (analog connections)



This example assumes that you're using the following equipment.

- MTX3 × 1
- DCP1V4S \times 4
- Amplifiers (four channels of amplification)
- Speakers (the number needed)
- SD memory card $\times 1$

- Background music source such as a CD player $\times 1$
- Paging microphones with switch $\times 2$
- Wireless microphone receivers (2 channels)
- Wireless microphones × 2

The number of speakers is not specified; choose amps that are suitable for your speaker setup. You will also need to provide the appropriate number of cables.

Example 2) High audio quality system with XMV and YDIF connections (digital connections)

This repeats the system of example 1, replacing the amps with an XMV series unit.



This example assumes that you're using the following equipment.

- MTX3 \times 1
- DCP1V4S \times 4
- XMV4280 (four channels of amplification) × 1
- Speakers (the number needed)
- SD memory card $\times 1$
- Background music source such as a CD player $\times 1$
- Network switch $\times 1$
- Paging microphones with switch $\times 2$
- Wireless microphone receivers (2 channels)
- Wireless microphones $\times 2$

The number of speakers is not specified; choose amps that are suitable for your speaker setup. You will also need to provide the appropriate number of cables.

Example 3) Using cascade mode to add MTX input channels (analog connection)

Cascade mode allows the matrix buses to be shared between MTX units. This mode lets you use two MTX units to increase the number of inputs, and output the combined inputs to a single amp. In cascade mode, audio cannot be transmitted to the XMV via YDIF.





This example assumes that you're using the following equipment.

- MTX3 \times 2
- MCP1 × 1
- XMV4280 (or an amp with analog input) $\times 1$
- Background music source such as a CD player $\times 1$
- Speakers (the number needed)
- PoE network switch $\times 1$
- Microphone with switch (for the MC or chair) $\times 1$
- Wireless microphone receivers (11 channels)
- Wireless microphones × 11

The number of speakers is not specified; choose amps that are suitable for your speaker setup. You will also need to provide the appropriate number of cables.

In order to supply power to the MCP1, the network switch must support PoE.

Example 4) A system using Dante

In this example, existing amps continue to be used, while we set up a new system at a distant location, with connections made using Dante.

The system using the existing amps is labeled System A, and the new system is labeled System B.

In example 4, our explanation will be centered on the network settings. For more about increasing the number of mics, DCP settings, or presets, refer to example 2.



This example assumes that you're using the following equipment.

System A

- MTX5-D × 1
- Exi 8×1
- EXo8 × 1
- Amplifiers (eight channels of amplification)
- Network switch $\times 1$
- Speakers (the number needed)
- SD memory card × 1
- Paging microphones with switch $\times 1$

System B

- MTX5-D $\times 1$
- XMV4280 × 1
- XMV4280-D × 1
- Network switch $\times 2^*$
- Speakers (the number needed)
- SD memory card $\times 1$
- Paging microphones with switch $\times 1$
- * As the network switch for Dante connections, we recommend that you use a model that provides IGMP snooping functionality.

The number of speakers is not specified; choose amps that are suitable for your speaker setup. You will also need to provide the appropriate number of cables.

Example 5) A system using the PGM1 for paging

This example assumes a paging system using the PGM1, installed in a commercial space such as shopping mall. Although not shown here, restrooms are located in various places.

Laxuary Area		Entrance	Casual Area A	
		Event Space		
Casual Area B	Amp Room		Casual Area C	Amp Room
			Food Court	

This example assumes that you're using the following equipment.

- MTX5-D × 1
- XMV8280-D × 2
- PGM1 \times 1
- $PGX1 \times 1$
- PoE gigabit network switch such as a SWR2100P-5G $\times\,1$
- Speakers (the number needed)
- SD memory card $\times 1$
- Background music source such as a Blu Ray player $\times 3$

The number of speakers is not specified; choose amps that are suitable for your speaker setup. You will also need to provide the appropriate number of cables.

Setup workflow

The following table shows the workflow for connecting equipment such as MTX series matrix mixers and XMV series power amplifiers to your computer, and making settings in MTX-MRX Editor.

		Example 1	Example 2	Example 3	Example 4	Example 5		
Installing MT	X-MRX Editor		Page 7					
Starting up N	TX-MRX Editor				Page 8			
Using the De setup	vice Configuration Wizard to cre	ate your device	Page 9	Page 30	Page 55	Page 82	Page 125	
		YDIF	—	Page 35	_	Page 94	—	
	Making EXT. I/O settings	XMV (Analog)	—	—	Page 60	—	—	
		XMV (Dante)	—	—	_	Page 106	Page 132	
Making pre-	Parameter settings for the MTX and external devices (Parameter settings such as for jacks and channels)		Page 14	Page 39	Page 63	Page 98, 111	Page 136	
tings in MTX-MRX Editor	Settings in the "DCA" screen (Settings that control the level or mute of multiple channels in a single operation)		_	_	Page 72	_	_	
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Making XMV	settings		_	Page 54	Page 80	Page 122	Page 152	
Verifying that	the settings were applied		Page 29	Page 54	Page 80	Page 123	Page 153	

Installing MTX-MRX Editor

In order to connect MTX series devices to your computer, you'll need to download MTX-MRX Editor from the "download" page of the Yamaha Pro Audio website.

http://www.yamahaproaudio.com/

System Requirements

OS	Windows 10 (32bit/64bit)
CPU	Core i3/5 or better
Memory	4 GB or more
H.D.D	230 MB or more free (When you install, need 480 MB or more free.)
Other	Bonjour must be installed, Ethernet (1000BASE-T or higher)

NOTE

The System Requirements described above are applied to the MTX-MRX Editor version 4.0.0. You can check the latest version information of each program and its system requirements at the following website

http://www.yamahaproaudio.com/

The system requirements may differ slightly depending on the particular computer.

Follow the steps below to install MTX-MRX Editor.

1. After decompressing the downloaded file, double-click "setup.exe" in the decompressed file location.

The MTX-MRX Editor setup wizard will appear.

2. Proceed with the installation as directed by the instructions in the screen.

NOTE

If the computer you're using does not have Bonjour installed, a screen asking you to install Bonjour will appear during the installation.

If you are asked to install Bonjour, download Bonjour from the Yamaha Pro Audio website, and install it. Then install MTX-MRX Editor again.

http://www.yamahaproaudio.com/

Starting up MTX-MRX Editor

Follow the steps below to start up MTX-MRX Editor.

1. Double-click the MTX-MRX Editor icon on the desktop.

NOTE

The "User Account Control" dialog box may appear. Click [Continue] or [Yes].

2. If the "Network Setup" dialog box appears, click [OK] or [Cancel].

You'll be performing the setup during the step "Making settings in MTX-MRX Editor."

3. The "Startup" dialog box will appear; click [New file] and then click [OK].

The "Device Configuration Wizard" will start up. Now you can proceed to make basic settings.

We will use specific examples to explain "Using the Device Configuration Wizard to create your device setup" and subsequent steps.

"Using the Device Configuration Wizard to create your device setup" for example 1: Page 9 "Using the Device Configuration Wizard to create your device setup" for example 2: Page 30 "Using the Device Configuration Wizard to create your device setup" for example 3: Page 55 "Using the Device Configuration Wizard to create your device setup" for example 4: page 82 "Using the Device Configuration Wizard to create your device setup" for example 5: page 125

Example 1) Basic MTX3 system example (analog connections)

Using the Device Configuration Wizard to create your device setup

You will use MTX-MRX Editor's wizard to create your device setup before actually connecting your equipment. After you've made basic settings, you'll be able to print information about system cabling and ID numbers. Use the following procedure to make basic settings.

1. Type a name for the MTX/MRX System you'll be constructing, and click [Next>].

C Device Configuration Wizard			×
System #1		@	
The Device Configuration Wizard guides you through the initial configuration of your system design, and configures device settings. Select and name a new configuration, edit an existing configuration, or clear an existing configuration.		annis .	
SYSTEM NAME System #1			
New			
Edit Configuration Changing the number of devices, type of devices and/or connection will initialize the settings of Word Clock and Dante.			
O Go to Mini-YGDAI Card and Controller Setup.			
© Clear			
Cancel	< Back	Next >	Finish

2. Specify the number of units that will be connected in your MTX/MRX System, and click [Next>].

In "YDIF Connected," specify 1 as the number of MTX3 units.

Configuration V	Wizard						×
MTX3 basic system							
Enter the number of devi At least one MTX or MRX	ices which are c device must exi	onnected via YDIF, st to make up a sy	Analog, and/or Dante. stem. After changing the	Configuration, re-s	store the existing Preset	data.	
VDIE Connoci	tod		OG Connected	DANT	E Connected		
DEVICE TYPE Numbe	ir I	DEVICE TYPE	Number	DEVICE TYPE	Number	DEVICE TYPE	Number
MRX7-D 0	•	XMV4140	0	PGM1	0 •	MCP1	0 •
MTX5-D 0	•	XMV4280	0 •	XMV4140-D	0 •		
MTX3	•	XMV8140	0 •	XMV4280-D	0 •		
EX18	• E	XMV8280	0 •	XMV8140-D	0 •		
XMV4140	•	XMV4140-D	0 •	XMV8280-D	0 •		
XMV4280	•	XMV4280-D	0 •				
XMV8140	_	XMV8140-D	0 •				
XMV8280	•	XMV8280-D	• •	-			-
Number of Assigned Device •MTX/MRX Total: 1/4	ces: •YDIF Total: 1/	8		MTX/MRX/XM	IV/EXio: 1/20 ·PG	M1/MCP1: 0/20	·Project Total: 1/80
					Cancel	< Back	Next > Finish

3. Verify that the MTX's UNIT ID is 1, and then click [Next>].

Unless you have specific reasons for doing so, use the UNIT ID that is assigned.

🐻 Device Configuration Wizard						×
MTX3 basic system						
Set the Unit IDs. Match the Unit IDs in the list below to the If no devices are present yet, match the p	physical devices physical IDs to the	if present. configuration diagram la	ter.			
YDIF Connected DEVICE TYPE UNIT ID	ANAL DEVICE TYPE	OG Connected UNIT ID	DAN1 DEVICE TYPE	E Connected UNIT ID	DEVICE TYPE	Number
						·
YDIF MODE DISTRIBUTION *						
				Cancel	< Back	Next > Finish

4. Set the MTX's [UNIT ID] rotary switch and DIP switch.

You will set the computer's IP address after completing the wizard, in "Specifying the computer's TCP/IP address." If the MTX is not nearby, make settings during the step "Connecting the equipment."



Make the following settings.

МТХЗ	
	UNIT ID = 01 [UNIT ID] rotary switch = 1 DIP switches are all OFF (upward)

5. When you've finished setting the MTX's [UNIT ID] rotary switch and DIP switch, click [Next>].

6. Verify that the MTX is shown, and click [Next>].

Configuration Wizard					×
MTX3 basic system			B		
The order of the YDIF connected devices	can be changed by dragging and droppin	ıg.			
YDIF Connected DEVICE	ANALOG Connected DEVICE	DEVICE	DANTE Connected	DEVICE	
01 MTX3					
Pofrash			Cancel	< Pack Next >	Finish
Kenesi			Cancel	< DOLK NEXL >	FILISI

7. Choose the model of DCP that is connected to the MTX, enter a device name, and click [Finish].

Since four DCP1V4S units will be connected, make settings for four units.

🐻 Devic	e Confi	iguration Wizard						×
<u>MTX3 t</u> Assign Star top	and na	<u>ystem</u> ame the Digital Control P using DCH8 is also poss	anels connected to each MTX or MRX. ible.					
DEVIC	E 0	●1 MTX3 ▼		<u></u>				
ID		MODEL	Name					
0	10	DCP1V4S-US/EU	Hall A					
1	10	DCP1V4S-US/EU	Hall B					
2	5	DCP1V4S-US/EU	Entrance					
3	10	DCP1V4S-US/EU	Kitchen					
4		None	•					
5		None						
6		None						
7		None		-				
					Cancel	< Back	Next >	Finish

8. When you see the dialog box "Display the configuration diagram? The diagram can also be printed." click [Yes].



A cabling diagram will appear. If you want, click [Print] to print the diagram. To close the screen, click [Close].

Configuration	Diagram							
Ethernet	Connect the con using Ethernet	nputer and device directly cable.	DCP Ing 1234 from	oortant - Always set DCI m each MTX or MRX (on	P DIP switch 4 (termin ly set for one DCP per	ation) to the ON position f MTX or MRX).	for the longest DCP cable ru	1
MTX3 basic syste	em	Disited Oceanal Decal	This is an evenue				DANTE	
DEVICE		Digital Control Panel 04 1 2 3 4 1 2 3 4 ID=0 ID=1	ID=2 ID=3	ID=4 ID=5	ID=6 ID=7	ANALOG	DANIE	
01 MTX3		0 0	Ö Ö					
							>>Page2 Print	Close

Set the DIP switches of the DCP units as shown in the "Digital Control Panel" section of the schematic diagram. For the last DCP (ID=3), set DIP switch 4 ON (upward).



NOTE

If you want to view the cabling diagram again, do so by choosing [File] menu \rightarrow [Print Configuration Diagram].

If you want to use the Device Configuration Wizard to change the device configuration, click the [Device Config] button in the Project screen.



Making preliminary settings in MTX-MRX Editor

Here's how to make detailed MTX/MRX System settings in MTX-MRX Editor. When you've finished making settings, you should save them by clicking [File] menu, then [Save].

NOTE

The "User Account Control" dialog box may appear. Click [Continue] or [Yes].

Specifying the MTX configuration

Here you'll specify how the MTX's inputs and outputs will be handled.

Move to the System screen by clicking the tab of the system name you specified in step 1 of "Using the Device Configuration Wizard to create your device setup."

Project	sic system			
01 MTX3				
MAIN	INPUT	MATRIX	ZONE	T

On the [System] menu, click [MTX Configuration] to open the "MTX Configuration" dialog box. The default settings are shown in the screen below. You can change them as necessary. In this example, we'll use the default settings without change.

TX Configuration					×
Device: 01 MTX3 : MTX	3 -				
INPUT OUTPUT					
INPUT PORT SETUP		INPUT CHANNE	EL SETUP		
	SIGNAL TYPE		SIGNAL TYPE		SIGNAL TYPE
ST IN 1L/1R	STEREO -	1/2	MONO x 2	STIN1	STEREO 💌
ST IN 2L/2R	STEREO -	3/4	MONO x 2	STIN2	STEREO 💌
SD IN L/R	STEREO -	5/6	MONO x 2	STIN3	STEREO -
		7/8	MONO x 2	17/18	MONO x 2 💌
		9/10	MONO x 2	• 19/20	MONO x 2 👻
		11/12	MONO x 2	21/22	MONO x 2 👻
		13/14	MONO x 2	23/24	MONO x 2 👻
		15/16	MONO x 2	•	
Advanced Settings					
These estimes form the	Davies Cashermation, 16th-	for watting only in the	annad planes to stars all Decester	nd DCD Wirelass DCD II	
mese seconds form the	Device Configuration. If the cor	nigurauon setup is ch	angeu, piease re-store all Presets a	ind DCP/Wireless DCP libi	aries. Or Cancel

Settings in the "MAIN" screen

In the "MAIN" screen you can make overall settings for each channel. For details on each parameter, refer to "MTX-MRX Editor User Guide." Here you'll make the following settings.

- Channel name
- Channel on/off
- Gain and phantom power
- (As necessary) EQ settings



• INPUT settings



Port select button

When you click this, the "Input Patch" dialog box will open. In this example we are using the default settings, but if you want to switch to a different input port of the MTX, click this button, choose the desired input port, and then click the [Close] button.

Port / External Device parameter access button

This button lets you adjust the gain and turn phantom power on/off. When you click the button, a popup window will appear, allowing you to adjust the gain and turn phantom power on/off. Make the desired settings, and then in the upper right, click × to close



the popup window. The appropriate gain level will depend on the devices that are connected, so set the level appropriately for your devices.

For channels 1 through 8, the gain is set to 30 dB by default. Because condenser microphones are connected to CH1 and 2, leave the gain at 30 dB and turn phantom power on. Because wireless microphones are connected to CH3 and 4, lower the gain to 0 dB.

EQ / HPF (High Pass Filter)

Click this to switch to the "CHANNEL EDIT" screen. Adjust the EQ and HPF appropriately for the microphone you're using. For ST IN, only EQ is available. When you want to return to the "MAIN" screen, click the [MAIN] button.

FBS (Feedback suppressor)

FBS is provided on input channels 1 through 4. We recommend that microphone inputs, and particularly movable microphones such as wireless microphones, be connected to channels 1 through 4. When you click here, you will switch to the FBS setting screen.

When you want to return to the "MAIN" screen, click the [MAIN] button. For details on FBS settings, refer to "MTX-MRX Editor User Guide."

[ON] button

This turns the channel on/off. You should turn off unused channels.

Fader

This adjusts the input level. Leave the fader at -∞ until the system goes online.

Channel name

You can double-click this to edit the name.

In this example, names have been assigned as follows.

CH1	Entrance
CH2	Kitchen
СНЗ	W.Mic1
CH4	W.Mic2
STIN1	CD Player
STIN2	BGM
STIN3	SD Player

• OUTPUT settings



Port select button

Click this to open the "Output Patch" dialog box. In this example we will use the default settings, but if you want to use a different output port of the MTX, click this button, choose the desired output port, and then click the [Close] button.

Port / External Device parameter access button

When you click this button, the MTX output connector parameter edit screen will appear as a popup. Verify that GAIN is set to 0.0 dB.



DELAY / Room EQ

Click this to move to a screen where you can set delay and room EQ.

Speaker processor

Click this to move to the "CHANNEL EDIT" screen. Make the appropriate settings for the speakers that will be connected.

NOTE

The pre-installed library contains speaker processor files that are appropriate for the response of various speakers. By using these files you can make speaker processor settings easily.

[ON] button

This button turns the channel on/off. Turn off unused channels.

Fader

This adjusts the output level.

Channel name

You can double-click this to edit the name. In this example, names have been assigned as follows.

OUT1	Hall A
OUT2	Hall B
OUT3	Entrance
OUT4	Kitchen

Settings in the "MATRIX" screen

Here you can specify which input channel will be sent to which zone. For details on send level and other parameters, refer to "MTX-MRX Editor User Guide."



In this example, make the settings shown in the above illustration. Clicking a cross point (a square area) or dragging cross points will switch it on/off. If you right-click on a cross point, a context menu appears. You can select [All OFF] to turn off all cross points. The cross point shows the send level as the amount of green.

With the settings shown here, the two microphones in hall A (CH3 and 4) are broadcast only to hall A. In addition, CD/ BGM/SD (STIN1–3) are being broadcast to the entire building. The microphone in the entrance (CH1) is assigned to be broadcast to the entire building in the event of an emergency, and is therefore assigned in the "ZONE" screen

(described next) as 1st PRIORITY. If channel 1 is turned on in the matrix, the signal from the matrix (attenuated) and the signal from Priority will be combined and output. Similarly, the microphone in the kitchen (CH2) is assigned as 2nd PRIORITY that is valid only in zone 4 (Kitchen), and therefore is not specified in the matrix.

For the input channel faders in the lower left of the screen, the grayed-out faders show input levels, and the other faders show input channel send levels. Grayed-out faders cannot be operated in this screen.



Priority signal flow

Settings in the "ZONE" screen

In the "ZONE" screen you can make Priority DUCKER settings. The Priority Ducker function temporarily attenuates the inputs from other channels when audio is input from a specified input channel, ensuring that the audio from the specified input channel will be broadcast clearly. Priority is given in the order of "1st PRIORITY > 2nd PRIORITY > Matrix Out signals."



In this example, we assume that the microphone in the entrance (CH1) will be used to speak to the entire building. Therefore, we select CH1 as the 1st PRIORITY SOURCE for zone 1 through zone 4, and click the [ON] button located at the right of 1st PRIORITY to make it light. We select the kitchen microphone (CH2) as the 2nd PRIORITY SOURCE only for zone 4 (Kitchen), and click the [ON] button located at the right of 2nd PRIORITY to make it light. Because there's no need to make settings for zones 5 through 8, make sure that the [ON] button at the right of 1st PRIORITY are unlit (turned off).

Use the ZONE select buttons to switch the zone.

For details on each parameter, refer to "MTX-MRX Editor User Guide."

Settings in the "ROUTER" screen

In the "ROUTER" screen you can assign zones to outputs.

In this example we will leave the default settings unchanged, since the assignments are ZONE1=OUTPUT 1, ZONE2=OUTPUT 2, ZONE3=OUTPUT 3, and ZONE4=OUTPUT 4.



Digital Control Panel (DCP) settings

Here's how to assign functions to the DCP that is installed in each zone. To make these settings, choose the [Controller] menu item [Digital Control Panel].

👸 Digital Control Panel						×
Library	01 MTX3 🔻 0 H	Iall A 🔻				
Save Load		Parameter Assign	Dimmer & I	Lock		
No. Name	DCP1V4S-US/EU	Switch		20.00		
01 [No Data]	1 - 2	FU	NCTION	DEVICE	PARAMETER	
02 [No Data]	3 - 4					
03 [No Data]		I NO Assig				
04 [No Data]	0	2 No Assid	n			
06 [No Data]						
07 [No Data]		3 No Assig	n			
08 [No Data]						
09 [No Data]		4 No Assig	n			
10 [No Data]						
11 [No Data]		Knob				
12 [No Data]		FU	NCTION	DEVICE	PARAMETER	
14 [No Data]			ino non	DEVICE	174 CONETER	
15 [No Data]		1 No Assig	n			
16 [No Data]						
17 [No Data]						
18 [No Data]						
19 [No Data]						
20 [No Data]						
21 [No Data]						
Copy Paste Clear		<u></u>				}
To apply the settings, association and then recall the Preset.	ate the Library with a F	Preset in the Preset dialog	0			Close

Here we will use the example of the DCP located in Hall A of the Preset 01 Basic library.

Use the drop down list at the top of the screen to select the DCP for which you want to make settings.

When you click one of the numbered buttons, a "Settings" dialog box will appear; assign parameters to the controls. If you assigned [SD Song Select & Play], enter the name of the file that you want to play.

When you've made the assignments, click to select "01 [No data]" and then click the [Save] button. In the "Save Library" dialog box, change the name to "Basic" and then click the [OK] button.

🐻 Dig	gital Control Panel							×
Libra	агу	01 MTX3 🔻 0 H	all A 🔻					
<u>S</u>	ave Load		Parameter A	ssign	Dimmer & Lock			≡
No.	Name	DCP1V4S-US/EU	Switch					**
01	Basic			FUN	ICTION	DEVICE	PARAMETER	
02	[No Data]	3 4		Preset Re	call		02 [No Data]	
03	[No Data]	0		Treserve	Can		62 [140 Data]	
05	[No Data]		2	No Assign				
06	[No Data]							
07	[No Data]		3	SD Song S	Select & Play	01 MTX3		
08	[No Data]			SD Song B	Pauloo	01 MTV2		
09	[No Data]		4	SD Song i	ause	01101743		
10	[No Data]		<u></u>					
12	[No Data]		Knob					
13	[No Data]			FUN	ICTION	DEVICE	PARAMETER	
14	[No Data]			ZONE Out	Level	01 MTX3	70NE 1 [-∞dB - 10.0dB]	
15	[No Data]			20112 001	20101	••••••	Tour . The operator !	
16	[No Data]							
1/	[No Data]							
10	[No Data]							
20	[No Data]							
21	[No Data]							
			<u> </u>					
Cop	oy <u>P</u> aste Cl <u>e</u> ar							
To a and	pply the settings, association the settings association the set the set and the set as t	ate the Library with a P	reset in the Pre	set dialog,			0	Close

In Basic, switch 1 is the preset select switch for the Party settings. Switches 3 and 4 control pause/resume for playback of audio sources on the SD memory card. The knob controls the output level of zone 1.

Next click the [Copy] button, and then click "02 [No Data]" to select the second library item. With this selected, click the [Paste] button. The library item you created as "Basic" will be copied.

Dic	uital Control Panel							×
Libra	iry	01 MTX3 🔻 0 H	Hall A 🔻					
<u>S</u> a	ave Load	Parameter Assign Dimmer & Lock						
No.	Name	DCP1V4S-US/EU	Switch					
01	Basic 🔺	1 - 2		FUNCTION		DEVICE	PARAMETER	
02	Basic	3 4		Propot Docoll			02 [No Data]	
03	[No Data]			FleserRecall			oz [No Data]	
04	[No Data]	U		No Assign				
05	[No Data]	(<u></u>)		i to nooigii				
07	[No Data]		3	SD Song Select 8	Play	01 MTX3		
08	[No Data]			-				
09	[No Data]		4	SD Song Pause	1	01 MTX3		
10	[No Data]							
11	[No Data]		Knob					/
12	[No Data]		KIIOD					î
13	[No Data]			FUNCTION		DEVICE	PARAMETER	
14	[No Data]		1	ZONE Out Level	1	01 MTX3	ZONE 1 _ [-∞dB - 10.0dB]	
15	[No Data]							
10	[No Data]							
18	[No Data]							
19	[No Data]							
20	[No Data]							
21	[No Data]							
Cop	oy Paste Clear							
To and t	pply the settings, associa then recall the Preset.	ate the Library with a F	Preset in the Pre	set dialog,			0	Close

After changing the PARAMETER of switch 1 to "01," double-click "Basic" in "02 Basic" located in the left of the screen, and change the name of the library item to "Party." (After you've entered the name, press the <Enter> key to confirm the name change.) After making this change, click the [Save] button to overwrite-save the library item.

🐻 Dig	gital Control Panel							×
Libra	iry	01 MTX3 🔻 0 H	all A 🔻					
Save Load			Parameter A	Parameter Assign Dimmer & Lock				
No.	Name	DCP1V4S-US/EU	Switch			201		
01	Basic 🔺			FUNC	TION	DEVICE	PARAMETER	
02 03	[No Data]		1	Preset Reca	all		01 [No Data]	
04	[No Data] [No Data]		2	No Assign				
06 07	[No Data] [No Data]		3	SD Song Se	elect & Play	01 MTX3		
08 09	[No Data]		4	SD Song Pa	ause	01 MTX3		
10	[No Data]							
11	[No Data]		Knob					
13	[No Data]			FUNC	TION	DEVICE	PARAMETER	
14	[No Data] [No Data]		1	ZONE Out L	evel	01 MTX3	ZONE 1_[-∞dB - 10.0dB]	
16	[No Data]		8					
18	[No Data]							
19	[No Data]							
20	[No Data]							
21	[No Data]							
Cop	oy Paste Clear		<u>_</u>					}
To ap and t	pply the settings, association the setting of the setting of the set in the set.	ate the Library with a F	reset in the Pre	eset dialog,			0	Close

In Party, switch 1 is the preset select switch for the Basic settings. Other settings are the same as for Basic.

Example settings for other DCP units

ID of the DCP	1 (Ha	all B)	2 (Ent	rance)	3 (Kitchen)	
Library name	Basic Party		Basic	Party	Basic	Party
Switch 1			Input Ch	ON (CH1)	Input Ch ON (CH2)	
Switch 2	Same as ID=0		No Assign		No Assign	
Switch 3	(Hall A)	Same as ID=0 (Hall A)				
Switch 4						
Knob 1	ZONE OUT Level (ZONE2)		Input Ch L	evel (CH1)	Input Ch Level (CH2)	

Tips

By clicking the menu button (), you can copy and paste the Parameter Assign and Dimmer & Lock settings of the displayed library item. By copying the ID=0 settings to ID=1, you can speed up your workflow. Similarly, you can make Basic settings for ID=2 and then copy them to Party, or copy them to ID=4.

Storing a preset

Now we'll store the settings we've made up to this point as a preset. By recalling presets from the MTX itself or from the DCP, you can switch

the settings as appropriate for various situations.

To store or recall a preset, click the camera icon in the upper part of MTX-MRX Editor.



When you click the camera icon, the "Preset" dialog box will appear. You can create up to 50 presets.

Click the preset number that you want to store; the line will be selected. Then click the [Store] button, specify the preset name, and click the [OK] button.

Double-click a location where the DCP column indicates "No Assign," and choose a library that you specified on the DCP.

				Wirel	less DCI	P Libra	ry -			
Assign				A 🗐	Assign					
01 Basic			~	01						
02 Party			E	02						E
03				03						
04				04						
05				05						
07				07						
08				08						
09			-	09						-
				<u></u>						
GPLOUI		-			-			_		-
DEVICE	1	2	3	4	5	6		7		8
01 MTX3	Ignore	Ignore	Ignore	Ignore						
SD Song Select #	2 Dlav									
SD Song Select &	š Play	sc	DNG		PLA	YMODE				
SD Song Select & DEVICE 01 MTX3	& Play	SC	DNG		PLA	YMODE				
SD Song Select & DEVICE 01 MTX3	& Play	sc	DNG		PLA	Y MODE				
SD Song Select & DEVICE 01 MTX3	Play No Assig	SC gn	DNG		PLA	Y MODE	:			
SD Song Select & DEVICE 01 MTX3	& Play	SC	DNG		PLA	Y MODE				
SD Song Select & DEVICE 01 MTX3	& Play	SC gn	DNG		PLA	Y MODE				
SD Song Select & DEVICE 01 MTX3	& Play No Assi	SC gn	DNG		PLA	Y MODE	:			
SD Song Select & DEVICE 01 MTX3	& Play	sc gn	DNG		PLA	YMODE				
SD Song Select & DEVICE 01 MTX3	& Play	sc gn	DNG		PLA	YMODE				

Pre	set							
	<u>S</u> tore	<u>R</u> ecall						Recall <u>F</u> ilter
£	No.	Name		MTX3	DCP	Wireless DCP	GPI / SD PLAY	
	01	Basic	1	ALL	01 Basic	No Assign	details	[
	02	[No Data]						
	03	[No Data]						
	04	[No Data]						
	05	[No Data]						
	06	[No Data]						
	07	[No Data]						
	08	[No Data]						
	09	[No Data]						
	10	[No Data]						
	11	[No Data]						
	12	[No Data]						
	13	[No Data]						
	14	[No Data]						
	15	[No Data]						
	16	[No Data]						
	17	[No Data]						
	18	[No Data]						
	19	[No Data]						
	20	[No Data]						
Cr	עחר	Paste Clear			ALL: Recall all pa	arameters		Preset Link
<u> </u>	ron [)ofault Emorgonov Bocall			P : Recall parti	al parameters		
ore								
UFF								
								Close

Up to this point, you made separate settings for zone 1 and zone 2. However in some cases, such as a party, you might want to remove the boundary between zone 1 and zone 2 so that they can be a single meeting area. In this case, make settings in the "ROUTER" screen to route zone 1 to output 2, so that zone 1 and zone 2 can be used as a single space.



If you store these settings as a different preset, you'll be able to easily switch to settings suitable for a party. If you use Recall Filter to specify that only ROUTER and DCP settings are recalled, other settings such as gain will remain at the Basic settings even if you recall a party preset.

<u>S</u> tore	<u>R</u> ecall						Exit Recall
No.	Name		MTX3	DCP	Wireless DCP	GPI / SD PLAY	
01	Basic		ALL	Basic	No Assign	details	
02	Party		ALL	Party	No Assign	details	
03	[No Data]						
04	[No Data]						
All Or	All Off	9	MATRI) SEM	VANC Z ID ZONE (1 2 3		The blue buttons are reca	DCP
HA IN PATCH	5 ST3 6 ST3 7 3 8 5 Fx1 DCA Au Fx2	12 13 14 15 16 tomixer	4 5 6 7/8 ANC	4 5 6 7/8		4 5 0 7 8 EXT. I/O YDIP	3 4 5 6 7 Wireless DCP

This completes settings in the offline state. Save the settings once again.

Connecting the equipment

After you've rack-mounted the MTX and your other equipment, connect the MTX and the other equipment as shown below. If you've copied audio sources to an SD memory card, insert the card into the MTX now.



To connect the MTX to your computer, use a CAT5e or higher cable with all eight pins connected.

Powering-on the MTX

Turn on the power of the MTX. Turn off the amplifier before you power-off the MTX.

Powering-on the amp

Turn on the power of the amplifier.

To prevent unwanted sound from being output, we recommend that you turn down the attenuator settings of all channels on the amp itself before you turn it on.

Specifying the computer's TCP/IP address

To allow the MTX and the computer to communicate, specify the computer's TCP/IP as follows.

- **1.** On the [System] menu, click [Network Setup]. The "Network Setup" dialog box will appear.
- **2.** Click [Open Network Connection]. "Network Connections" will appear.
- **3.** Right-click the adapter to which the MTX is connected, and choose [Properties]. The "Local Area Connection Properties" dialog box will appear.
- **4.** Choose [Internet Protocol Version 4 (TCP/IPv4)], and then click [Properties]. The "Internet Protocol Version 4 (TCP/IPv4) Properties" dialog box will appear.
- 5. Click [Use the following IP address (S)].
- 6. In the [IP address] box, enter "192.168.0.253"; in the [Subnet mask] box, enter "255.255.255.0."

```
NOTE
```

The IP address of the MTX3 is set to "192.168.0.1".

ternet Protocol Version 4 (TCP/I General	IPv4) Properties 💦 🛃 🗾 🔤
You can get IP settings assigned this capability. Otherwise, you ne for the appropriate IP settings.	automatically if your network supports eed to ask your network administrator
Obtain an IP address autom	atically
• Use the following IP address	5:
IP address:	192.168.0.253
S <u>u</u> bnet mask:	255.255.255.0
Default gateway:	
Obtain DNS server address	automatically
• Use the following DNS serve	r addresses:
Preferred DNS server:	
Alternate DNS server:	• •
Validate settings upon exit	Ad <u>v</u> anced
	OK Cancel

7. Click [OK].

NOTE

In some cases, Windows firewall may block MTX-MRX Editor when you make this setting. Select the [Private Network] check box, and click [Allow Access].

Taking MTX-MRX Editor online

In the upper right of MTX-MRX Editor, click the [Online] button. When the unit has successfully come online, the indicator 1 will light blue.



When the "Synchronization" dialog box appears, select "To Device," and click the [OK] button. When the indication in the dialog box has switched, select the system that you want to place online, and click the [Online] button. The project created in MTX-MRX Editor will be sent to the MTX.

	S	ynchronization			
		DIRECTION: To Devi	се		
		SYSTEM	STATUS	PROGRESS	
Synchronization		MTX3 basic sy	OFFLINE		details
To Device From Device		No Assign	LOST		details
		No Assign			details
		No Assign			details
OK Cancel		System Message Select the systems to g	go online and	then click [Online] button.	
				Online	Cancel

Verifying that the settings were applied

The main items to verify are listed below. For details on each parameter setting, refer to "MTX-MRX Editor User Guide."

1. Recall the Basic preset.

2. Using the oscillator in the "ROUTER" screen, adjust the output level.

Adjust the amp's attenuator value to an appropriate level.

3. Specify the gain from the microphone.

You can set the gain in the dialog box that appears when you press the parameter recall button for a port or external device of an input channel in the "MAIN" screen. Watch the input meter, and adjust the setting appropriately.

4. Set the input levels and output levels.

Using the input/output faders in the "MAIN" screen, adjust the levels. As necessary, apply the output limiter in the "CHANNEL EDIT" screen to prevent your speakers from being damaged. Adjust the amp attenuator values to obtain the optimal S/N ratio. In addition, make FBS settings as necessary.

5. Store the Basic preset.

Store by overwriting the previously-specified content.

6. Recall the Party preset.

Verify that the audio from the wireless microphone is also heard in Hall B. If you're not using Recall Filter, perform steps 2 through 4 before you overwrite-store the Party preset.

7. Check the DCP settings.

Verify that the DCP operates as you expect. Check these for each preset.

When you have finished making all settings, save the project and switch MTX-MRX Editor offline.

This completes the settings for example 1.

Example 2) High audio quality system with XMV and YDIF connections (digital connections)

Using the Device Configuration Wizard to create your device setup

You will use MTX-MRX Editor's wizard to create your device setup before actually connecting your equipment. After you've made basic settings, you'll be able to print information about system cabling and ID numbers. Use the following procedure to make basic settings.

1. Type a name for the MTX/MRX System you'll be constructing, and click [Next>].

Device Configuration Wizard			×
System #1	a ()		
The Device Configuration Wizard guides you through the initial configuration of your system design, and configures device settings. Select and name a new configuration, edit an existing configuration, or clear an existing configuration.		a (mail	
SYSTEM NAME System #1			
New			
Edit Configuration Changing the number of devices, type of devices and/or connection will initialize the settings of Word Clock and	Dante.		
C Go to Mini-YGDAI Card and Controller Setup.			
Clear			
	Cancel <	Back Next >	Finish

2. Specify the number of units that will be connected in your MTX/MRX System, and click [Next>].

Specify "1" as the number of MTX3 units in "YDIF Connected," and specify "1" as the number of XMV4280 units to be connected.

Configuration Wizard			.
MTX XMV digital system		a	
Enter the number of devices which are c At least one MTX or MRX device must exi	onnected via YDIF, Analog, and/or Dante. ist to make up a system. After changing the C	Configuration, re-store the existing Preset d	ata
YDIF Connected	ANALOG Connected	DANTE Connected	
DEVICE TYPE Number	DEVICE TYPE Number	DEVICE TYPE Number	DEVICE TYPE Number
MRX7-D ▲	XMV4140 0	PGM1 _ ^ ^	MCP1 ^
MTX5-D 0 ▼	xmv4280 □ · · · · · · · · · · · · · · · · · · ·	XMV4140-D □ ○ · · · · □ ○ 0 ▼	
MTX3	XMV8140	XMV4280−D 0 ▼	
EX18 □ = □ =	XMV8280	XMV8140-D	
XMV4140	XMV4140-D	XMV8280-D □ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	
	XMV4280−D 0 ▼		
XMV8140	XMV8140-D		
XMV8280	XMV8280-D 0	-	-
Number of Assigned Devices: •MTX/MRX Total: 1 / 4 • •YDIF Total: 2 /	/ 8	·MTX/MRX/XMV/EXio: 2/20 ·PGM	1/MCP1: 0 / 20 · Project Total: 2 / 80
		Cancel	< Back Next > Finish

3. Specify the UNIT ID of each device, and click [Next>].

Unless you have specific reasons for doing so, use the UNIT ID that is assigned. In this example, set the XMV's UNIT ID to 1A so that we can explain how to change the UNIT ID.

Configuration Wizard			—
MTX XMV digital system		8	
Set the Unit IDs. Match the Unit IDs in the list below to the If no devices are present yet, match the p	physical devices if present. hysical IDs to the configuration diagram lat	er.	
YDIF Connected DEVICE TYPE UNIT ID	ANALOG Connected DEVICE TYPE UNIT ID	DANTE Connected DEVICE TYPE UNIT ID	DEVICE TYPE Number
MTX3 01 XHV4280 1A •			
		Cancel	< Back Next > Finish

4. Set the [UNIT ID] rotary switch and DIP switch of the MTX and XMV.

You will set the computer's IP address after completing the wizard, in "Specifying the computer's TCP/IP address." If the MTX and XMV are not nearby, you can set them during the step "Connecting the equipment."



Make the following settings.



NOTE

Use the DIP switch to specify the upper digit of the UNIT ID, and use the [UNIT ID] rotary switch to specify the lower digit. For details, refer to the owner's manual of each unit.



5. When you have finished setting the [UNIT ID] rotary switch and DIP switch of the MTX and the XMV, click [Next>].

6. Verify that the MTX and XMV are shown in the screen, and click [Next>].

Since there is only one MTX unit and one XMV unit, there's no need to change the order.

Configuration Wizard					3
MTX XMV digital system					
The order of the YDIF connected devices	can be changed by dragging and droppi	ng.			
YDIF Connected DEVICE	ANALOG Connected DEVICE	DEVICE	DANTE Connected	DEVICE	
01 MTX3 1A XMV4280		Ť.	^		*
		+			Ŧ
Refresh			Cancel	< Back Next > Finish	

7. Choose the model of DCP that is connected to the MTX, enter a device name, and click [Finish].

Since four DCP1V4S units will be connected, make settings for four units.

Device 0	Configuration Wizard		
MTX XMV Assign an Star topol	V diqital system nd name the Digital Control Panel logy using DCH8 is also possible	s connected to each MTX or MRX.	
DEVICE	01 MTX3		
ID	MODEL	Name	
0	B DCP1V4S-US/EU ▼	Hall A	A
1	B DCP1V4S-US/EU ▼	Hall B	
2	B DCP1V4S-US/EU ▼	Entrance	
3	DCP1V4S-US/EU V	Kitchen	
4	None		
5	None		
6	None 🔻		
7	None 🔻		▼.
			Cancel < Back Next > Finish

8. When you see the dialog box "Display the configuration diagram? The diagram can also be printed." click [Yes].



A cabling diagram will appear. If you want, click [Print] to print the diagram. To close the screen, click [Close].

Configuration [Diagram							—
Ethernet	Connect the con switch using Eth	nputer and devices to an ernet cables.	Ethernet ON Imp	portant - Always set DC m each MTX or MRX (o	P DIP switch 4 (termin nly set for one DCP per	ation) to the ON position fo MTX or MRX).	r the longest DCP cable run	
MTX XMV digital s	ystem		This is an entry in			4114.00	DANTE	
DEVICE		Digital Control Panel	ID=2 ID=3	ID=4 ID=5	ID=6 ID=7	ANALOG	DANTE	
01 MTX3	ज्रिक 🗳	Ö Ö	Ö Ö					
1A XMV4280								
						ſ	>>Page2 Print	Close

Set the DIP switches of the DCP units as shown in the "Digital Control Panel" section of the schematic diagram. For the last DCP (ID=3), set DIP switch 4 ON (upward).



NOTE

If you want to view the cabling diagram again, do so by choosing [File] menu \rightarrow [Print Configuration Diagram].

If you want to use the Device Configuration Wizard to change the device configuration, click the [Device Config] button in the Project screen.



Making preliminary settings in MTX-MRX Editor

Here's how to make detailed MTX/MRX System settings in MTX-MRX Editor. When you've finished making settings, you should save them by clicking [File] menu, then [Save].

NOTE

The "User Account Control" dialog box may appear. Click [Continue] or [Yes].

Making EXT. I/O settings

Here you'll make settings for inputting digital audio into the XMV.

Move to the System screen by clicking the tab of the system name you specified in step 1 of "Using the Device Configuration Wizard to create your device setup."

Project	MTX XMV digital system				
01 MTX	3				
MAIN	INPUT	MATRIX	ZONE		

1. Click the [EXT. I/O] button.

The "EXT. I/O" screen will appear, allowing you to make input/output settings for the external devices. Since you'll be making settings for YDIF 1–8, there's no need to switch screens; simply make the settings in this screen.



2. Verify that for the MTX with UNIT ID = 01, the buttons located below YDIF 1 through YDIF 4 are set to OUT1 (OUTPUT 1) through OUT 4 (OUTPUT 4) respectively.

If the settings are different, click the button and change the setting.

Channel Select
YDIF: 1 +
Thru
INPUT CHANNEL(POST ON)
STEREO INPUT CHANNEL(POST ON)
1L 1R 2L 2R 3L 3R
ZONE OUT
OUTPUT
Close

3. Click the [EDIT] button.

Now you can specify the inputs from the XMV unit's YDIF 1-8.


4. Click the XMV4280's output routing select button for YDIF 1.

The "YDIF Out Patch" dialog box will appear.

YDIF Out: 1	- Þ	Input Source YDIF	ANALOG DANTE
1A XMV4280	A	B C D	

5. For CHANNEL, click [A] button.

The screen indicates that the YDIF 1 signal is output to CH A of the XMV.

TX-MRX Editor				
<u>File System Controller About</u>				
🗋 📤 🐁	EDIT	Image:	01 02 03 04 Online	e Offline 🖊
Project System #1				
01 MTX3		EXT. I/0	XMV	
YDIF 1-8 YDIF 9-16 ANALOG	i DANTE			
EXT.I/O	IF 2 YDIF 3	YDIF 4 YDIF 5	YDIF 6 YDIF 7	YDIF 8
01 MTX3				
MTX3				
30 XMV4280				
XMV				
	_			

6. Change the output destination in the [YDIF Out:] list box, to assign YDIF 2 through YDIF 4 to CH B through CH D of the XMV and then click [Close] button.

MTX-MRX Editor				
<u>File</u> System Controller A	About			
🗋 📥 📥	EDIT	Image:		line Offline 💋
Project System #1				
01 MTX3		EXT. I/O	XMV	
YDIF 1-8 YDIF 9-16 A	NALOG DANTE			
EXT.I/O	YDIF 2 YDIF 3	YDIF 4 YDIF 5	YDIF 6 YDIF 7	YDIF 8
01 MTX3	Ö Ö	o o	Ö	
MTX3				OUT8
30 XMV4280				
	СНВ СНС			

7. Click [EDIT] button to lock the settings.



Specifying the MTX configuration

Here you'll specify how the MTX's inputs and outputs will be handled.

On the [System] menu, click [MTX Configuration] to open the "MTX Configuration" dialog box.

The default settings are shown in the screen below. You can change them as necessary. In this example, we'll use the default settings without change.

INPUT PORT SETUP		INPUT CHANNEL	SETUP		
	SIGNAL TYPE		SIGNAL TYPE		SIGNAL TYPE
ST IN 1L/1R	STEREO	▼ 1/2	MONO x 2	▼ STIN1	STEREO -
ST IN 2L/2R	STEREO	▼ 3/4	MONO x 2	▼ STIN2	STEREO -
SD IN L/R	STEREO	▼ 5/6	MONO x 2	 STIN3 	STEREO -
		7/8	MONO x 2	• 17/18	MONO x 2 👻
		9/10	MONO x 2	• 19/20	MONO x 2 👻
		11/12	MONO x 2	• 21/22	MONO x 2 💌
		13/14	MONO x 2	• 23/24	MONO x 2 💌
		15/16	MONO x 2	•	

Settings in the "MAIN" screen

In the "MAIN" screen you can make overall settings for each channel. Click the [01 MTX3] button to access the MTX "MAIN" screen. For details on each parameter, refer to "MTX-MRX Editor User Guide." Here you'll make the following settings.

- Channel name
- Channel on/off
- Gain and phantom power
- (As necessary) EQ settings



INPUT settings



Port select button

When you click this, the "Input Patch" dialog box will open. In this example we are using the default settings, but if you want to switch to a different input port of the MTX, click this button, choose the desired input port, and then click the [Close] button.

Port / External Device parameter access button

This button lets you adjust the gain and turn phantom power on/off. When you click the button, a popup window will appear, allowing you to adjust the gain and turn phantom power on/off. Make the desired settings, and then in the upper right, click × to close



the popup window. The appropriate gain level will depend on the devices that are connected, so set the level appropriately for your devices.

For channels 1 through 8, the gain is set to 30 dB by default. Because condenser microphones are connected to CH1 and 2, leave the gain at 30 dB and turn phantom power on. Because wireless microphones are connected to CH3 and 4, lower the gain to 0 dB.

EQ / HPF (High Pass Filter)

Click this to switch to the "CHANNEL EDIT" screen. Adjust the EQ and HPF appropriately for the microphone you're using. For ST IN, only EQ is available. When you want to return to the "MAIN" screen, click the [MAIN] button.

FBS (Feedback suppressor)

FBS is provided on input channels 1 through 4. We recommend that microphone inputs, and particularly movable microphones such as wireless microphones, be connected to channels 1 through 4. When you click here, you will switch to the FBS setting screen.

When you want to return to the "MAIN" screen, click the [MAIN] button. For details on FBS settings, refer to "MTX-MRX Editor User Guide."

[ON] button

This turns the channel on/off. You should turn off unused channels.

Fader

This adjusts the input level. Leave the fader at -∞ until the system goes online.

Channel name

You can double-click this to edit the name.

In this example, names have been assigned as follows.

CH1	Entrance			
CH2	Kitchen			
СНЗ	W.Mic1			
CH4	W.Mic2			
STIN1	CD Player			
STIN2	BGM			
SDIN	SD Player			

Example 2) High audio quality system with XMV and YDIF connections (digital connections)

• OUTPUT settings



Port select button

Click this to open the "Output Patch" dialog box. In this example we will use the default settings, but if you want to use a different output port of the MTX, click this button, choose the desired output port, and then click the [Close] button.

Port / External Device parameter access button

When you click this button, a popup window will appear, allowing you to set the MTX's output connector parameters and the parameters of the external device associated with the channel. Verify that GAIN is set to 0.0 dB.

In this example, the MTX output parameters are above, and the XMV parameters are below. Put the system online before you edit the settings of these parameters.

When you click this button, the MTX output connector parameter edit screen will appear as a popup. Verify that GAIN is set to 0.0 dB.

DELAY / Room EQ

Click this to move to a screen where you can set delay and room EQ.

Speaker processor

Click this to move to the "CHANNEL EDIT" screen. Make the appropriate settings for the speakers that will be connected.

NOTE

The pre-installed library contains speaker processor files that are appropriate for the response of various speakers. By using these files you can make speaker processor settings easily.

[ON] button

This button turns the channel on/off. Turn off unused channels.

Fader

This adjusts the output level.

Channel name

You can double-click this to edit the name.

In this example, names have been assigned as follows.

OUT1	Hall A
OUT2	Hall B
OUT3	Entrance
OUT4	Kitchen



Settings in the "MATRIX" screen

Here you can specify which input channel will be sent to which zone. For details on send level and other parameters, refer to "MTX-MRX Editor User Guide."



In this example, make the settings shown in the above illustration. Clicking a cross point (a square area) or dragging cross points will switch it on/off. If you right-click on a cross point, a context menu appears. You can select [All OFF] to turn off all cross points. The cross point shows the send level as the amount of green.

With the settings shown here, the two microphones in hall A (CH3 and 4) are broadcast only to hall A. In addition, CD/ BGM/SD (STIN1–3) are being broadcast to the entire building. The microphone in the entrance (CH1) is assigned to be broadcast to the entire building in the event of an emergency, and is therefore assigned in the "ZONE" screen

(described next) as 1st PRIORITY. If channel 1 is turned on in the matrix, the signal from the matrix (attenuated) and the signal from Priority will be combined and output. Similarly, the microphone in the kitchen (CH2) is assigned as 2nd PRIORITY that is valid only in zone 4 (Kitchen), and therefore is not specified in the matrix.

For the input channel faders in the lower left of the screen, the grayed-out faders show input levels, and the other faders show input channel send levels. Grayed-out faders cannot be operated in this screen.



Priority signal flow

Settings in the "ZONE" screen

In the "ZONE" screen you can make Priority DUCKER settings. The Priority Ducker function temporarily attenuates the inputs from other channels when audio is input from a specified input channel, ensuring that the audio from the specified input channel will be broadcast clearly. Priority is given in the order of "1st PRIORITY > 2nd PRIORITY > Matrix Out signals."



In this example, we assume that the microphone in the entrance (CH1) is used for broadcasting to the entire building. Therefore, we select CH1 as the 1st PRIORITY SOURCE for zone 1 through zone 4, and click the [ON] button located at the right of 1st PRIORITY to make it light. We select the kitchen microphone (CH2) as the 2nd PRIORITY SOURCE only for zone 4 (Kitchen), and click the [ON] button located at the right of 2nd PRIORITY to make it light. Because there's no need to make settings for zones 5 through 8, make sure that the [ON] button at the right of 1st PRIORITY are unlit (turned off).

Use the ZONE select buttons to switch the zone.

For details on each parameter, refer to "MTX-MRX Editor User Guide."

Settings in the "ROUTER" screen

In the "ROUTER" screen you can assign zones to outputs. In this example we will leave the default settings unchanged, since the assignments are ZONE1=OUTPUT 1, ZONE2=OUTPUT 2, ZONE3=OUTPUT 3, and ZONE4=OUTPUT 4.



Digital Control Panel (DCP) settings

Here's how to assign functions to the DCP that is installed in each zone. To make these settings, choose the [Controller] menu item [Digital Control Panel].

👅 Digital Control Panel						×
Library	01 MTX3 🔻 0 H	Iall A 🔻				
Save Load		Parameter Assign	Dimmer & L	ock		
No. Name	DCP1V4S-US/EU	Switch				
01 [No Data]		FUN	CTION	DEVICE	PARAMETER	
02 [No Data]	3 - 4	1 No Assign				
03 [No Data]						
04 [No Data]		2 No Assign				
06 [No Data]						
07 [No Data]		3 No Assign				
08 [No Data]						
09 [No Data]		4 No Assign				
10 [No Data]						
11 [No Data]		Knob				
12 [No Data]		FUN	CTION	DEVICE	PARAMETER	
14 [No Data]						
15 [No Data]		I NO ASSIGN				
16 [No Data]						
17 [No Data]						
18 [No Data]						
19 [No Data]						
21 [No Data]						
Copy Paste Clear						
To apply the settings, associ and then recall the Preset.	ate the Library with a F	Preset in the Preset dialog,			0	Close

Here we will use the example of the DCP located in Hall A of the Preset 01 Basic library.

Use the drop down list at the top of the screen to select the DCP for which you want to make settings.

When you click one of the numbered buttons, a "Settings" dialog box will appear; assign parameters to the controls. If you assigned [SD Song Select & Play], enter the name of the file that you want to play.

When you've made the assignments, click to select "01 [No data]" and then click the [Save] button. In the "Save Library" dialog box, change the name to "Basic" and then click the [OK] button.

🐻 Dig	gital Control Panel							— ×
Libra	агу	01 MTX3 🔻 0 H	all A 🔻					
<u>S</u>	ave Load		Parameter As	sign	Dimmer & Lock			
No.	Name	DCP1V4S-US/EU	Switch					
01	Basic 🔺	1 - 2		FUN	CTION	DEVICE	PARAMETER	
02	[No Data]	3 4		Preset Rec	all		02 [No Data]	
03	[No Data]			Treservee			02 [N0 Data]	
04	[No Data]		2	No Assign				
06	[No Data]							
07	[No Data]		3	SD Song S	elect & Play	01 MTX3		
08	[No Data]			OD Cone D		04.01722		
09	[No Data]		4	SD Song P	ause	01 MTX3		
10	[No Data]		<u> </u>					
11	[No Data]		Knob					
13	[No Data]			FUN	CTION	DEVICE	PARAMETER	
14	[No Data]			ZONE Out	Louis	04 MTV2	ZONE 1 [mdB 10.0dB]	
15	[No Data]			ZOINE OULI	Level	0110173	20NE 1_[-=0B - 10.0dB]	
16	[No Data]							
17	[No Data]							
18	[No Data]							
19	[No Data]							
20	[No Data]							
121								
Cop	oy Paste Clear							
To a	pply the settings, associa	ate the Library with a P	reset in the Pres	set dialog,			0	Close
and	then recall the Preset.							

In Basic, switch 1 is the preset select switch for the Party settings. Switches 3 and 4 control pause/resume for playback of audio sources on the SD memory card. The knob controls the output level of zone 1.

Example 2) High audio quality system with XMV and YDIF connections (digital connections)

Next click the [Copy] button, and then click "02 [No Data]" to select the second library item. With this selected, click the [Paste] button. The library item you created as "Basic" will be copied.

🐻 Dig	gital Control Panel							- ×
Libra	агу	01 MTX3 🔻 0 H	Iall A 🔻					
<u>S</u>	ave Load		Parameter Assign Dimmer & Lo		Lock		≡	
No.	Name	DCP1V4S-US/EU	Switch					· · · ·
01	Basic 🔺	1 - 2		FU	NCTION	DEVICE	PARAMETER	
02	Basic	3 - 4		Propot Dr	veall.		02 [No Data]	
03	[No Data]			Treserine	can		02 [NO Data]	
04	[No Data]		2	No Assia	n			
06	[No Data]							
07	[No Data]		3	SD Song	Select & Play	01 MTX3		
08	[No Data]				- 1 Post 2010			
09	[No Data]		4	SD Song	Pause	01 MTX3		
10	[No Data]							
11	[No Data]		Knob					
12	[No Data]			EU	NCTION	DEVICE	PARAMETER	
13	[No Data]			10	Nonon	DEVICE	TARGMETER	
15	[No Data]		1	ZONE Ou	t Level	01 MTX3	ZONE 1 _ [-∞dB - 10.0dB]	
16	[No Data]		10					
17	[No Data]							
18	[No Data]							
19	[No Data]							
20	[No Data]							
21	[No Data]							
6			<u></u>					
	by Paste Clear			10052202			1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 -	
To a and	pply the settings, associ: then recall the Preset.	ate the Library with a F	Preset in the Pre	eset dialog,			2	Close

After changing the PARAMETER of switch 1 to "01," double-click "Basic" in "02 Basic" located in the left of the screen, and change the name of the library item to "Party." (After you've entered the name, press the <Enter> key to confirm the name change.) After making this change, click the [Save] button to overwrite-save the library item.

👅 Digital Control Panel				— ×
Library 01 MTX3 🔻	0 Hall A 🔻			
Save Load	Parameter Assign	Dimmer & Lock		≡
No. Name DCP1V4S-US	U Switch	171		
01 Basic	FU	NCTION D	EVICE	PARAMETER
02 Party 03 [No Data]	1 Preset R	ecall	01 [No Data]	
04 [No Data]				
05 [No Data]	2 No Assig	n		
06 [No Data]		Colort & Diay 01 MT	V2	
07 [No Data]	3 SD Song	Select & Flay UT MIT.	^3	
08 [No Data]	4 SD Song	Pause 01 MT	X3	
10 [No Data]				
11 [No Data]	Kash			}
12 [No Data]	KNOD			
13 [No Data]	FU	NCTION D	EVICE	PARAMETER
14 [No Data]	1 ZONE OL	t Level 01 MT.	X3 ZONE 1_[-**	dB - 10.0dB]
15 [No Data]				87.60 20.
17 [No Data]				
18 [No Data]				
19 [No Data]				
20 [No Data]				
21 [No Data]				
Copy Paste Clear	<u></u>			}
To apply the settings, associate the Library w and then recall the Preset.	a Preset in the Preset dialog	0		Close

In Party, switch 1 is the preset select switch for the Basic settings. Other settings are the same as for Basic.

Example 2) High audio quality system with XMV and YDIF connections (digital connections)

Input Ch Level (CH1)

Example settings for 0		.5					
ID of the DCP	1 (Hall B)		2 (Ent	2 (Entrance)		3 (Kitchen)	
Library name	Basic	Party	Basic	Party	Basic	Part	
Switch 1			Input Ch ON (CH1)		Input Ch ON (CH2)		
Switch 2	Same as ID=0						
Switch 3	(Hall A)	all A) Same as ID=0	No Assign		No Assign		
Switch 4		(Hall A)					

Example settings for other DCP units

Tips

Knob 1

> By clicking the menu button (_____), you can copy and paste the Parameter Assign and Dimmer & Lock settings of the displayed library item. By copying the ID=0 settings to ID=1, you can speed up your workflow. Similarly, you can make Basic settings for ID=2 and then copy them to Party, or copy them to ID=4.

Storing a preset

Now we'll store the settings we've made up to this point as a preset. By recalling presets from the MTX itself or from the DCP, you can switch the settings as appropriate for various situations. To store or recall a preset, click the camera icon in the upper part of

ZONE OUT

Level (ZONE2)

MTX-MRX Editor.

	🗉 🙆
--	-----

Party

Input Ch Level (CH2)

When you click the camera icon, the "Preset" dialog box will appear. You can create up to 50 presets.

Click the preset number that you want to store; the line will be selected. Then click the [Store] button, specify the preset name, and click the [OK] button.

Double-click a location where the DCP column indicates "No Assign," and choose a library that you specified on the DCP.

👅 Settings (Preset0	1)								×
DCP Library				Wire	ess DCP	Library			
Assign				A 📃	ssign				
01 Basic			-	01					-
02 Party			=	02					E
04				0.3					
05				05					
06				06					
07				07					
08				80					-
09				09					
GPI OUT						be.	1.2		,
DEVICE	1	2	3	4	5	6	7	8	
01 MTX3	Ignore	Ignore	Ignore	Ignore					
SD Song Select 8	Play								
DEVICE		SC	NG		PLAY	MODE			
01 MTX3	No Assi	gn							
l <u>.</u>							ОК	Can	cel

Pres	set									
5	<u>S</u> tore	<u>R</u> e	call							Recall <u>F</u> ilter
8°	No.	Name				MTX3	DCP	Wireless DCP	GPI / SD PLAY	
	01	Basic			1	ALL	01 Basic	No Assign	details	
	02	[No Data]								
	03	[No Data]								
	04	[No Data]								
	05	[No Data]								
	06	[No Data]								
	07	[No Data]								
	08	[No Data]								
	09	[No Data]								
	10	[No Data]								
	11	[No Data]								
	12	[No Data]								
	13	[No Data]								
	14	[No Data]								
	15	[No Data]								
	16	[No Data]								
	17	[No Data]								
	18	[No Data]								
	19	[No Data]								
	20	[No Data]								
Co	nv	Paste	Clear				ALL: Recall all pa	arameters		🖉 Preset Lin
<u></u>)ofault Em					🛯 : Recall parti	al parameters		
wei				-						
JFF		1 •	JFF 1 •							
										Close

Up to this point, you made separate settings for zone 1 and zone 2. However in some cases, such as a party, you might want to remove the boundary between zone 1 and zone 2 so that they can be a single meeting area. In this case, make settings in the "ROUTER" screen to route zone 1 to output 2, so that zone 1 and zone 2 can be used as a single space.



If you store these settings as a different preset, you'll be able to easily switch to settings suitable for a party. If you use Recall Filter to specify that only ROUTER and DCP settings are recalled, other settings such as gain will remain at the Basic settings even if you recall a party preset. For External I/O as well, press the [All Off] button so that all settings are carried over.

🗿 Preset							
<u>S</u> tore	<u>R</u> ecall						Exit Recall <u>F</u> ilter
🖉 No.	Name		MTX3	DCP	Wireless DCP	GPI / SD PLAY	
01	Basic		ALL	Basic	No Assign	details	
02	Party		ALL	Party	No Assign	details	
03	[No Data]						
04	[No Data]						
Global All O O1 MT2 All O ⊈ H2 Ya ¥	n Global All Off K3 <u>n All Off</u> INPUT/LEVEL <u>1 ST1</u> <u>3 ST2</u> <u>5 ST3</u> <u>7 B</u> Fx1 DCA Aut Fx2 chich are not included ret again to enable edit	9 - 0 10 - 11 - 12 - 13 - 14 - 15 - 14 - 15 - 16 - 16 - 16 - 16 - 16 - 16 - 16	MATRU SEN 2 3 4 5 6 7/8 ANC ANC	<u>PASTE</u> (ANC ZONE C 1 2 3 4 5 6 7/8 1 2		The blue buttons are re LOUTPUT 1 2 3 4 5 5 8 EXT. VO Y	called. DCP 0 1 2 3 4 5 6 7 7 "DF" Wireless DCP 0 1 1 2 3 3 5 6 7 7 Vireless DCP

This completes settings in the offline state. Save the settings once again.

Connecting the equipment

After you've rack-mounted the MTX and your other equipment, connect the MTX and the other equipment as shown below. If you've copied audio sources to an SD memory card, insert the card into the MTX now.



To connect the MTX to your computer, use a CAT5e or higher cable with all eight pins connected.

Powering-on the MTX

Turn on the power of the MTX. Turn off the amplifier before you power-off the MTX.

Powering-on the amp

On the rear panel of the XMV, set the [SPEAKERS] DIP switch, and then turn on the power of the amps (XMV). To prevent unwanted sound from being output, we recommend that you turn down the attenuator settings of all channels on the amp itself before you turn it on.

To change the XMV attenuator setting, press the button of the appropriate channel and then turn the encoder.

NOTE

- With the factory settings, the XMV's attenuators are set to the lowest value.
- For more about the [SPEAKERS] DIP switch, refer to the XMV owner's manual.

Specifying the computer's TCP/IP address

To allow the MTX and the computer to communicate, specify the computer's TCP/IP as follows.

1. On the [System] menu, click [Network Setup].

The "Network Setup" dialog box will appear.

2. Click [Open Network Connection].

"Network Connections" will appear.

- **3.** Right-click the adapter to which the MTX is connected, and choose [Properties]. The "Local Area Connection Properties" dialog box will appear.
- **4.** Choose [Internet Protocol Version 4 (TCP/IPv4)], and then click [Properties]. The "Internet Protocol Version 4 (TCP/IPv4) Properties" dialog box will appear.
- 5. Click [Use the following IP address (S)].

6. In the [IP address] box, enter "192.168.0.253"; in the [Subnet mask] box, enter "255.255.255.0."

NOTE

The MTX3's IP address is set to "192.168.0.1," and the XMV's IP address is set to "192.168.0.26."

Internet Protocol Version 4 (TCP/IPv	/4) Properties									
General										
You can get IP settings assigned au this capability. Otherwise, you need for the appropriate IP settings.	tomatically if your network supports I to ask your network administrator									
• Use the following IP address: -										
IP address:	192.168.0.253									
Subnet mask:	255.255.255.0									
Default gateway:										
Obtain DNS server address au	tomatically									
• Use the following DNS server a	addresses:									
Preferred DNS server:	· · · · · · · · · · · · · · · · · · ·									
Alternate DNS server:	• • •									
Validate settings upon exit										
	OK Cancel									

7. Click [OK].

NOTE

In some cases, Windows firewall may block MTX-MRX Editor when you make this setting. Select the [Private Network] check box, and click [Allow Access].

Taking MTX-MRX Editor online

In the upper right of MTX-MRX Editor, click the [Online] button. When the unit has successfully come online, the indicator 1 at the left will light blue.



When the "Synchronization" dialog box appears, select "To Device," and click the [OK] button. When the indication in the dialog box has switched, select the system that you want to place online, and click the [Online] button. The project created in MTX-MRX Editor will be sent to the MTX.

		Synchronization			
		DIRECTION: To Dev	rice		
		SYSTEM	STATUS	PROGRESS	
-		MTX XMV digita.	OFFLINE	deta	ils
Synchronization					
To Device	From Device	NO ASSIGN	LOSI	deta	.IS
		No Assign	LOST	deta	ils
	.	No Assign	LOST	deta	ils
	OK Cancel	System Message Select the systems to	go online and	then click [Online] button.	
				Online Car	icel

Making XMV settings

If necessary, use the XMV's front panel to make settings such as the high pass filter. For more about the settings you can make on the XMV, refer to the XMV owner's manual.

Verifying that the settings were applied

The main items to verify are listed below. For details on each parameter setting, refer to "MTX-MRX Editor User Guide."

1. Recall the Basic preset.

2. Using the oscillator in the "ROUTER" screen, adjust the output level.

Adjust the amp's attenuator value to an appropriate level.

3. Specify the gain from the microphone.

You can set the gain in the dialog box that appears when you press the parameter recall button for a port or external device of an input channel in the "MAIN" screen. Watch the input meter, and adjust the setting appropriately.

4. Set the input levels and output levels.

Using the input/output faders in the "MAIN" screen, adjust the levels. As necessary, apply the output limiter in the "CHANNEL EDIT" screen to prevent your speakers from being damaged. Adjust the amp attenuator values to obtain the optimal S/N ratio. In addition, make FBS settings as necessary.

5. Store the Basic preset.

Store by overwriting the previously-specified content.

6. Recall the Party preset.

Verify that the audio from the wireless microphone is also heard in Hall B. If you're not using Recall Filter, perform steps 2 through 4 before you overwrite-store the Party preset.

7. Check the DCP settings.

Verify that the DCP operates as you expect. Check these for each preset.

When you have finished making all settings, save the project and switch MTX-MRX Editor offline.

This completes the settings for example 2.

Example 3) Using cascade mode to add MTX input channels (analog connection)

Using the Device Configuration Wizard to create your device setup

You will use MTX-MRX Editor's wizard to create your device setup before actually connecting your equipment. After you've made basic settings, you'll be able to print information about system cabling and ID numbers. Use the following procedure to make basic settings.

1. Type a name for the MTX/MRX System you'll be constructing, and click [Next>].

Configuration Wizard			- ×
System #1		·	
The Device Configuration Wizard guides you through the initial configuration of your system design, and configures device settings. Select and name a new configuration, edit an existing configuration, or clear an existing configuration.			
SYSTEM NAME System #1			
New			
Edit Configuration Changing the number of devices, type of devices and/or connection will initialize the settings of Word Clock and Dante.			
O Go to Mini-YGDAI Card and Controller Setup.			
© Clear			
Cancel	< Back	Next >	Finish

2. Specify the number of units that will be connected in your MTX/MRX System, and click [Next>].

Specify "2" as the number of "YDIF Connected" MTX3 units, specify "1" as the number of "ANALOG Connected" XMV4280, and specify "1" as the number of MCP1.

Device Configuration Wizard			×
MTX3 MCP1 cascade example			
Enter the number of devices which are of At least one MTX or MRX device must ex When you change a configuration, pleas	connected via YDIF, Analog, and/or Dante. ist to make up a system. After changing the C se store the existing PRESET again.	Configuration, re-store the existing Preset o	lata.
YDIF Connected	ANALOG Connected	DANTE Connected	
DEVICE TYPE Number	DEVICE TYPE Number	DEVICE TYPE Number	DEVICE TYPE Number
MRX7-D - → ○ = 0 ▼	XMV4140 0 •	PGM1 ^	MCP1 ^
MTX5-D 0	xmv4280	XMV4140−D 0 ▼	
MTX3	XMV8140	XMV4280-D 0	
EX18	XMV8280 □ 0 ▼	XMV8140-D 0	
XMV4140	XMV4140-D	XMV8280-D 0	
XMV4280	XMV4280−D 0 ▼		
XMV8140	XMV8140−D 0 ▼		
XMV8280	XMV8280-D 0	-	-
Number of Assigned Devices: •MTX/MRX Total: 2 / 4 •YDIF Total: 2	/8	·MTX/MRX/XMV/EXio: 3/20 ·PGM	1/MCP1: 1 / 20 · Project Total: 4 / 80
		Cancel	< Back Next > Finish

3. Specify the YDIF MODE to CASCADE, and then click [Next>].

A dialog box will appear when you change this to CASCADE; click [OK]. Unless you have specific reasons for doing so, use the UNIT ID that is assigned. In this example, set the XMV's UNIT ID to 1A so that we can explain how to change the UNIT ID.

Device Configuration Wizard			×
MTX3 MCP1 cascade example		8	
Set the Unit IDs. Match the Unit IDs in the list below to the If no devices are present yet, match the	Physical devices if present. physical IDs to the configuration diagram lat	ler.	
YDIF Connected DEVICE TYPE UNIT ID	ANALOG Connected DEVICE TYPE UNIT ID	DANTE Connected DEVICE TYPE UNIT ID	DEVICE TYPE Number
01 MTX3 01 ▼ 02 MTX3 02 ▼ 02 ▼	1A XMV4280	A	90 MCP1 90 •
	-	-	
YDIF MODE CASCADE			
		Cancel	< Back Next > Finish

4. Set the [UNIT ID] rotary switch and DIP switch of the MTX and XMV.

You will set the computer's IP address after completing the wizard, in "Specifying the computer's TCP/IP address." If the MTX and XMV are not nearby, you can set them during the step "Connecting the equipment." You set the MCP1's UNIT ID during the step "Connecting the equipment."



Make the following settings.



NOTE

Use the DIP switch to specify the upper digit of the UNIT ID, and use the [UNIT ID] rotary switch to specify the lower digit. For details, refer to the owner's manual of each unit.

UNIT ID = 1 A Lower digit: specify using the rotary switch Upper digit: specify using DIP switch 1–3

5. When you have finished setting the [UNIT ID] rotary switch and DIP switch of the MTX and the XMV, click [Next>].

6. Verify that the MTX, XMV, and MCP1 are shown in the screen, and click [Next>].

Configuration Wizard					
MTX3 MCP1 cascade example The order of the YDIF connected devices	can be changed by dragging and dropp	ing.			
				: () . I	
YDIF Connected	ANALOG Connected	DEVICE	DANTE Connected	DEVICE	
01 MTX3	1A XMV4280	*		90 MCP1	^
02 MTX3					
		Ŧ		Ŧ	*
Refresh			Cancel	< Back	Next > Finish

7. Choose the model of DCP that is connected to the MTX, enter a device name, and click [Finish].

In this example we are not using a DCP, so leave the settings as they are.

To Device Configuration Wizard	×
MTX3+MCP1 cascade example Assign and name the Digital Control Panels connected to each MTX or MRX. Star topology using DCH8 is also possible.	
DEVICE 01 MTX3 •	
ID MODEL Name	
0 None	A
1 None	
2 None	
3 None	
4 None	
5 None	
6 None	
7 None •	τ
	Cancel < Back Next > Finish

8. When you see the dialog box "Display the configuration diagram? The diagram can also be printed." click [Yes].



A cabling diagram will appear. If you want, click [Print] to print the diagram. To close the screen, click [Close].

Configuration D	Jiagram							×
Ethernet	Connect the com switch using Eth	nputer and devices to an ernet cables.	Ethernet	oortant - Always set E n each MTX or MRX (OCP DIP switch 4 (termi (only set for one DCP pe	nation) to the ON position er MTX or MRX).	n for the longest DCP cabl	e run
MTX3 MCP1 casca	ide example							
		Digital Control Panel	ID=2 ID=3	ID=4 ID=5	ID=6 ID=7	ANALOG	DANTE	
01 MTX3		ö				1A XMV4280		
02 MTX3								
							>>Page2 Print	Close

NOTE

If you want to view the cabling diagram again, do so by choosing [File] menu \rightarrow [Print Configuration Diagram].

If you want to use the Device Configuration Wizard to change the device configuration, click the [Device Config] button in the Project screen.



Making preliminary settings in MTX-MRX Editor

Here's how to make detailed MTX/MRX System settings in MTX-MRX Editor. When you've finished making settings, you should save them by clicking [File] menu, then [Save].

NOTE

The "User Account Control" dialog box may appear. Click [Continue] or [Yes].

Making EXT. I/O settings

Here you'll make settings for inputting analog audio into the XMV.

Move to the System screen by clicking the tab of the system name you specified in step 1 of "Using the Device Configuration Wizard to create your device setup."

If you're using an amp other than the XMV, proceed from "Specifying the MTX configuration."

Project	M	MTX3 cascade example								
01 MTX	3		D2 MTX3							
MAIN	INP	UT	MATRIX	ZONE						

1. Click the [EXT. I/O] button.

The output setting screen will appear.

TX-MRX Editor				- • •
<u>File</u> System <u>C</u> ontroller <u>A</u> bout				
		Image:		Online Offline 🖌
Project MTX3 cascade system				
01 MTX3 02 MTX3		EXT. I/O	×	MV
YDIF 1-8 YDIF 9-16 ANALOG DANT	E			
YDIF 1 YDIF 2	YDIF 3	YDIF 4 YDIF 5	YDIF 6 YDIF	7 YDIF 8
		MATRIX 4	MATRIX 6 MATRIX 7	
02 MTX3 MTX3 MATRIX 1 MATRIX 2	MATRIX 3		MATRIX 6 MATRIX 7	

2. Click the [ANALOG] button.

The MTX analog output setting screen will appear.

	MTX-MRX Editor			
	<u>File System Controller About</u>			
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	Project MTX3 cascade example			
	01 MTX3 02 MTX3	EXT. I/		1V
	YDIF 1-8 YDIF 9-16 ANALOG DAN	ε		
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	01 MTX3			
	02 MTX3			
	Bu assisting the soule	entric have lik in prescrible to view and edit the smallfor sh	and accordence on the period	
	output channel strip in	he MAIN view of the MTX device. Audio signal flow is not a	affected.	
	0UT1 0UT2		0UT5 0UT6 0UT7	OUT8
Sten 3				
Ctop C				

3. Click the button located below OUT1.

The "Line Out Patch" dialog box will appear.

1A XMV 4280 A B C D	
If the XMVs are set to Double Power mode, outputs of B/D/F/H channels will be	disabled.

4. Click the "CHANNEL" [A] button.

The screen will show that with these settings, analog output 1 of the ID=01 MTX is connected to the CH A analog input of the XMV.



5. Change the output destination in the [Out:] list box, to assign CH B through CH D of the XMV to OUT 2 through OUT 4, and then click the [Close] button.



Specifying the MTX configuration

Here you'll specify how the MTX's inputs and outputs will be handled.

On the [System] menu, click [MTX Configuration] to open the "MTX Configuration" dialog box.

The default settings are shown in the screen below. You can change them as necessary. In this example, we'll use the default settings without change.

INPUT PORT SETUP		INPUT CHANNEL	SETUP		
	SIGNAL TYPE		SIGNAL TYPE	[SIGNAL TYPE
ST IN 1L/1R	STEREO	▼ 1/2	MONO x 2	▼ STIN1	STEREO -
ST IN 2L/2R	STEREO	▼ 3/4	MONO x 2	▼ STIN2	STEREO -
SD IN L/R	STEREO	▼ 5/6	MONO x 2	 STIN3 	STEREO -
		7/8	MONO x 2	• 17/18	MONO x 2 🗸
		9/10	MONO x 2	• 19/20	MONO x 2 🗸
		11/12	MONO x 2	• 21/22	MONO x 2
		13/14	MONO x 2	23/24	MONO x 2 👻
		15/16	MONO x 2	•	

Settings in the "MAIN" screen

In the "MAIN" screen you can make overall settings for each channel. For details on each parameter, refer to "MTX-MRX Editor User Guide." You'll make these settings for both MTX units, UNIT ID=01 and UNIT ID=02. Here you'll make the following settings.

- Channel name
- Channel on/off
- Gain and phantom power
- (As necessary) EQ settings



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	roject		MTX3	cascade	system														
	01 MT	TX3	7	02 MTX	3					EXT.	1/0					XMV			
				MAT	TRIX	ZONE	R	DUTER	OUTPUT	EFFECT	DC #	1	I/0						
	41	CH2 IN2	CH3 TN3	CH4	CH5	CH6	CH7	CH8	STINI	STIN2	T2 P		0UT2						
		т. П								0	0								
+-		-48V	+48V	+48V	+48V	+481	+48V	+481											
		Ø	Ø	Ø	Ø	Ø	Ø	Ø				DELAY							
	PF	HPF EQ	HPF EQ	HPF EQ	HPF EQ	EQ	EQ	EQ	EQ	EQ	1	Room EQ							
																	1		1.00
1	RdB	RdB	-72dB RdB	-72dB RdB	-72dB RdB	-72dB RdB	-72dB RdB	-72dB BdB	RdB	RdF									
F		FBS	FBS	FBS								PEQ	PEQ	DELAY PEQ	PEQ	DELAY PEQ	DELAY	DELAY	PEQ
A	30	A6C [AGC	AGC					AGC	AGC]	LIM							
s		SEL	SEL	SEL	SEL	SEL	SEL	SEL	SEL SEL	SEL	SEL	SEL	SEL	SEL	SEL	SEL	SEL	SEL	SEL
		ON	ON	ON	ON	ON	ON	ON	ON	ON		ON							
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j,	-40 _ -50 _ -60 _	-40 -50 -60	40 50 60						- 40 - 50 - 60		40 50 60								
		-00	-00	-00	-00	-00	-00	-00	-00	-00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C	H1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	STINI	STIN2	b 38	OUT1	OUT2	OUT3	OUT4	OUT5	OUT6	OUT7	OUT8

• ID=02

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Project MTX3 cascade system			
01 MTX3 02 MTX3		EXT. 1/0	ХМУ
MAIN	ZONE ROUTER OUTPUT	EFFECT DCA I/O	
CH1 CH2 CH3 CH4 CH5	CH6 CH7 CH8 STINI		OUT3 OUT4 OUT5 OUT6 OUT7 OUT8
HPF HPF HPF HPF		Room Room	Room Room Room Room Room
-72dB -72dB -72dB -72dB -72dB	-72dB -72dB -72dB		SP 1WaySP 1WaySP 1Way
8dB 8dB 8dB 8dB 8dB	8dB 8dB 8dB 8dB	BIB DELAY DELAY	
		PEQ PEQ	PEQ PEQ PEQ PEQ PEQ PEQ
AGC AGC AGC	AGC		
SEL SEL SEL SEL	SEL SEL SEL SEL SEL	SEL SEL SEL SEL	SEL SEL SEL SEL SEL
ON ON ON ON	ON ON ON ON	ON ON ON	ON ON ON ON ON
		ELER ELER	
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			24242424242424 303030303030 4040404040
	50505050 -60606060	505050 606060	- <u>-50</u> - <u>-60</u>
-00 -00 -00 -00 -00	-00 -00 -00 -00	-00 8.88 8.88	8.88 8.88 8.88 8.88 8.88
CH1 CH2 CH3 CH4 CH5	CH6 CH7 CH8 STIN1	STIN2 OUT1 OUT2	OUT3 OUT4 OUT5 OUT6 OUT7 OUT8

• INPUT settings



Port select button

When you click this, the "Input Patch" dialog box will open. In this example we are using the default settings, but if you want to switch to a different input port of the MTX, click this button, choose the desired input port, and then click the [Close] button.

Port / External Device parameter access button

This button lets you adjust the gain and turn phantom power on/off. When you click the button, a popup window will appear, allowing you to adjust the gain and turn phantom power on/off. Make the



desired settings, and then in the upper right, $click \times to close the popup window.$ The appropriate gain level will depend on the devices that are connected, so set the level appropriately for your devices.

For channels 1 through 8, the gain is set to 30 dB by default. Because a condenser microphone is connected to CH8 of UNIT ID=01, leave the gain at 30 dB and turn phantom power on. For the other channels to which wireless microphones are connected, lower the gain to 0 dB.

EQ / HPF (High Pass Filter)

Click this to switch to the "CHANNEL EDIT" screen. Adjust the EQ and HPF appropriately for the microphone you're using. For ST IN, only EQ is available. When you want to return to the "MAIN" screen, click the [MAIN] button.

FBS (Feedback suppressor)

FBS is provided on input channels 1 through 4. We recommend that microphone inputs, and particularly movable microphones such as wireless microphones, be connected to channels 1 through 4. When you click here, you will switch to the FBS setting screen.

When you want to return to the "MAIN" screen, click the [MAIN] button. For details on FBS settings, refer to "MTX-MRX Editor User Guide."

[ON] button

This turns the channel on/off. You should turn off unused channels.

Fader

This adjusts the input level. Leave the fader at $-\infty$ until the system goes online.

Channel name

You can double-click this to edit the name.

In this example, names have been assigned as follows.

	CH1	W.Mic1
	CH2	W.Mic2
	CH3	W.Mic3
	CH4	W.Mic4
	CH5	W.Mic9
	CH6	W.Mic10
- 01	CH7	W.Mic11
	CH8	Chairman
	STIN1	CD Player
	STIN2	Computer
	STIN3	SD Player

	CH1	W.Mic5
UNIT ID	CH2	W.Mic6
= 02	CH3	W.Mic7
	CH4	W.Mic8

The UNIT ID = 01 MTX is the base unit, and the UNIT ID = 02 MTX is for expanding the number of microphones. Since wireless microphones are susceptible to feedback because of their mobility, we assign them preferentially to CH1 through CH4, which are equipped with FBS (feedback suppressor).

Example 3) Using cascade mode to add MTX input channels (analog connection)

• OUTPUT settings



Port select button

Click this to open the "Output Patch" dialog box. In this example we will use the default settings, but if you want to use a different output port of the MTX, click this button, choose the desired output port, and then click the [Close] button.

Port / External Device parameter access button

When you click this button, a popup window will appear, allowing you to set the MTX's output connector parameters and the parameters of the external device(XMV) associated with the channel. Verify that GAIN is set to 0.0 dB.

DELAY / Room EQ

Click this to move to a screen where you can set delay and room EQ.

Speaker processor

Click this to move to the "CHANNEL EDIT" screen. Make the appropriate settings for the speakers that will be connected.

NOTE

The pre-installed library contains speaker processor files that are appropriate for the response of various speakers. By using these files you can make speaker processor settings easily.

[ON] button

This button turns the channel on/off. Turn off unused channels.

Fader

This adjusts the output level.

Channel name

You can double-click this to edit the name. In this example, names have been assigned as follows.

UNIT ID = 01 OUT1	Room
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Settings in the "MATRIX" screen

Here you can specify which input channel will be sent to which zone. For details on send level and other parameters, refer to "MTX-MRX Editor User Guide."

• ID=01



• ID=02



In this example, make the settings shown in the above illustration. Clicking a cross point (a square area) or dragging cross points will switch it on/off. If you right-click on a cross point, a context menu appears. You can select [All OFF] to turn off all cross points. The cross point shows the send level as the amount of green.

With these settings, all input signals other than the microphone at the chairman's seat (CH8 of ID=1) are handled in the same way. To give the microphone at the chairman's seat higher priority than the other signals, it is assigned to 1st Priority in the following "ZONE" screen. When CH8 is turned on in MATRIX, the signal from the matrix (attenuated) will be combined with the signal from Priority, and output together.

For the input channel faders in the lower left of the screen, the grayed-out faders show input levels, and the other faders show input channel send levels. Grayed-out faders cannot be operated in this screen.



Priority signal flow

Settings in the "ZONE" screen

In the "ZONE" screen you can make Priority DUCKER settings. The Priority Ducker function temporarily attenuates the inputs from other channels when audio is input from a specified input channel, ensuring that the audio from the specified input channel will be broadcast clearly. Priority is given in the order of "1st PRIORITY > 2nd PRIORITY > Matrix Out signals."



In this example, the chairman's microphone (assigned to CH8 of UNIT ID=01) has the highest priority. Thus, we select CH8 as the PRIORITY SOURCE for 1st PRIORITY in ZONE 1, and click the [ON] button located at the right of 1st PRIORITY to make it light. Since there is no need to make settings for ZONE2 through 8, make sure that the [ON] buttons at the right of 1st PRIORITY and 2nd PRIORITY are unlit (turned off).

Use the ZONE select buttons to switch the zone.

For details on each parameter, refer to "MTX-MRX Editor User Guide."

Settings in the "ROUTER" screen

In the "ROUTER" screen you can assign zones to outputs. In this example, since ZONE1 will be output to OUTPUT1 through 4, set the MTX units of ID=01 and 02 as shown in the illustration.



■ Settings in the "DCA" screen (INPUT CH MUTE)

In the "DCA" screen you can make level and mute settings for multiple channels in a single operation.

• ID=01



• ID=02

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	EDIT							10	ð	2			(D	02	O	90	4	Or	nline	Offline	ø
Project MTX3 cascade system																						
01 MTX3 02 MTX3		_		_				E	хт. I	/0								X	ωv			
MAIN Not Annual	ZONE	R	OUTE	R	OUTI	PUT		FECT		DC	A (1/0									
INPUT CH DCA		막	H4	먂	9H 0	H8	TINIT	TINIR	TINZL	TINZR	TINSL	TINGR	태	H18	111	H12	HI3	H14	HIS	H16		
MUTE A			。	<u> </u>	0	3 8	8	w N	S	ŝ	S	S	8	8	8	0	0	8	0	0	CLEAR	
																					CLEAR	
MUTE																					CLEAR	
ZONE OUT				_	+	+	-														CLEAR	
MUTE		-		-	+	+	┢	-				_								_	CLEAR	
ZONE OUT				+	+	+	╋	⊢		-		_		_		_	_	_	_	_	CLEAR	
MUTE				+	+	+	┢	⊢		⊢				-				_			CLEAR	
													_									
A B C D E		6																				

In this example, press the [INPUT CH MUTE] button on the digital control panel at the chairman's seat to mute all microphones other than the chairman's microphone. Turn on CH1 through CH7 of ID=01, and CH1 through CH4 of ID=02.
MCP1 settings

Here we'll assign functions to the MCP1 that is located at the chairman's seat.

To make these settings, choose the [Controller] menu item [MCP1].

When you click one of the numbered buttons, a "Settings" dialog box will appear; assign parameters to the switch. Click the [Label] button to open the "Label" dialog box. Here you can make settings for the MCP1's display, to indicate the role that each button will perform.

When you've made the assignments and display settings, click to select "01 [No data]" and then click the [Save] button. In the "Save Library" dialog box, change the name to "Basic" and then click the [OK] button.

T MCP1								_ ×
Library	90 MCP1 🔻			PIN	Setup]		
<u>S</u> ave <u>L</u> oad	Home Page 1	Page 2 Page	a 3 Page 4	Page 5	Page 6	Dimmer & Lock		\equiv
No. Name								
02 [No Data]		Switch						
04 [No Data]			FUNCT	TION	DEVIC	CE	PARAMETER	
05 [No Data] 06 [No Data]	Label	L1	Input Ch Mute	Group		A		
07 [No Data] 08 [No Data]	MUTE		Input Ch ON		01 MTX3	CH 8		
	Mic Level	L3	Input Ch Leve	el	01 MTX3	CH 8 _ [-∞(dB - 0.0dB]	
		R1	No Assign					
		R2	No Assign					
		R3	No Assign					
Copy Paste Clear								
To apply the settings, associa and then recall the Preset.	ate the Library with a Pre	eset in the Preset	dialog,				2	Close

Assign the parameters. If you assigned [SD Song Select & Play], enter the name of the file that you want to play or the name of the folder that contains the file you want to play.

L1 switch turns mute on/off for the microphone inputs other than the chairman's seat. L2 switch turns the chairman's microphone on/off. L3 switch will access the screen for adjusting the input level from the chairman's mic.

■ Storing a preset

Now we'll store the settings we've made up to this point as a preset.

By recalling presets from the MTX itself or from the MCP1, you can switch the settings as appropriate for various situations.

To store or recall a preset, click the camera icon in the upper part of MTX-MRX Editor.



When you click the camera icon, the "Preset" dialog box will appear. You can create up to 50 presets.

Click the preset number that you want to store; the line will be selected. Then click the [Store] button, specify the preset name, and click the [OK] button.

Double-click a location where the MCP1 column indicates "No Assign," and choose a library that you specified on the MCP1.

Settings (Preset0 DCP Library Assign 01 02 03 04 05 06 07 08 09 GPL OUT.	1)	-Wir 01 02 03 04 05 06 07 08 09	eless DC Assign Untitled	P Library	A m	MCP1 L Assi 01 Bas 02 03 04 05 06 07 08	ibrary — gn ic		*
DEVICE	1	2	3	4	5	6	7	8	
01 MTX3	Ignore	Ignore	Ignore	Ignore		-			
02 MTX3	Ignore	Ignore	Ignore	Ignore					
SD Song Select &	Play								
DEVICE		SC	NG		PLAY	MODE			
01 MTX3	No Assi	gn							
02 MTX3	No Assi	gn							

Store No. Nan 01 Bas 02 [No 03 [No 04 [No 05 [No	Recall ic Data] Data] Data]		MTX3	EXT.I/O	DCP No Assign	Wireless DCP No Assign	MCP1 Basic	GPI / SD
No. Nan 01 Bas 02 [No 03 [No 04 [No 05 [No	ne ic Data] Data] Data]		MTX3 ALL	EXT.I/O	DCP No Assign	Wireless DCP No Assign	MCP1 Basic	GPI / SD
01 Bas 02 [No 03 [No 04 [No 05 [No 06 [No	ic Data] Data] Data]		ALL	Δ	No Assign	No Assign	Basic	details.
02 [No 03 [No 04 [No 05 [No 06 [No	Data] Data] Data]							
03 [No 04 [No 05 [No 06 [No	Data] Data]							
04 [No 05 [No 06 [No	Data]							
05 [No 06 [No								
06 [No	Data]							
	Data]							
07 [No	Data]							
08 [No	Data]							
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10 [No	Data]							
11 [No	Data]							
12 [No	Data]							
13 [No	Data]							
14 [No	Data]							
15 [No	Data]							
16 [No	Data]							
17 [No	Data]							
10 [1]-	D-1-1							

NOTE

If you don't store the preset, alert number 61 will occur.

Up to this point, our settings use all of the microphones connected to MTX units of UNIT ID =01 and 02, but there might be cases in which you want to use a different number of microphones. In such cases, you can limit the number of microphones by turning off the channels of unused microphones in the "MAIN" screen.

• ID=01

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Project MTX3 cascade system			
01 MTX3 02 MTX3		EXT. I/O	XMV
MAIN INPUT MATRIX	ZONE ROUTER OUTPUT	EFFECT DCA I/O	
CH1 CH2 CH3 CH4 CH5	CH6 CH7 CH8 STINI	STIN2 OUT1 OUT2	OUT3 OUT4 OUT5 OUT6 OUT7 OUT8
IN1 IN2 IN3 IN4 IN5	ING IN7 IN8 STIL STIR	ST2 L ST2 R OUT1 OUT2	OUT3 OUT4 OUT5 OUT6 OUT7 OUT8
$\bigcirc \bigcirc $	O'O'O' ''	°	
+48V +48V +48V +48V +48V	+48V +48V		
		DELAY	DELAY DELAY DELAY DELAY DELAY
HPF HPF HPF HPF HPF	HPF HPF HPF	Room EQ EQ	Room Room Room Room Room EQ EQ EQ EQ EQ EQ
-72dB -72dB -72dB -72dB -72dB	-72dB -72dB -72dB		
RHB RHB RHB RHB RHB	8dB 8dB 8dB 8dB	RdB DELAY DELAY	
FBS FBS FBS FBS		PEQ PEQ	PEQ PEQ PEQ PEQ PEQ PEQ PEQ
	AGC	AGC	
SEL SEL SEL SEL SEL	SFL SEL SEL SEL	SEL SEL SEL SEL	SEL SEL SEL SEL SEL
ON ON ON ON	ON ON ON	ON ON ON	ON ON ON ON ON
		3 3 3 3 3 3 3 3 3 3 3	
$- \frac{12}{12} - \frac{12}{15} - $	- 12 - 12 - 12 - 12 - 15 - 15 - 15 - 15 - 18 - 18 - 18		- -12 -12 -12 -12 -12 -12 $-12-15$ -15 -15 -15 -15 -15 $-15-18$ -18 -18 -18
2424242424 3030303030 -	24242424 30303030	24 - 24 - 24 - 24 - 24 - 30 - 30 - 30 - 30 - 30 - 30 - 30 - 3	242424242424 303030303030
	40404040 50505050 60606050		
-00 -00 -00 -00	-00 -00 -00	-00 8.88 8.88	8.88 8.88 8.88 8.88 8.88
W.Mic1 W.Mic2 W.Mic3 W.Mic4 W.Mic9	W.Mic18 W.Mic11 Chairem CD Player	Computer Room	

• ID=02

TX-MRX Editor						- • ×
<u>File</u> System <u>C</u> ontroller <u>A</u> bout						
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Project MTX3 cascade syste	em					
01 MTX3 02 MTX3		EXT. I/O			XMV	
MAIN INPUT MATRIX	ZONE ROUTER	OUTPUT EFFECT DCA	I/0			
СН1 СН2 СН3 СН4 СН5	СН6 СН7 СН8	STINI STIN2	OUT1 OUT2	OUT3 OUT4	OUTS OUT6	
IN1 IN2 IN3 IN4 IN5	IN6 IN7 IN8	ST1 L ST1 R ST2 L ST2 R	OUT1 OUT2	OUT3 OUT4	OUTS OUT6	OUT7 OUT8
$\bigcirc \bigcirc $		°°°°				
+48V +48V +48V +48V +48V	/ +48V +48V +48V					
			DELAY DELAY	DELAY	DELAY	DELAY DELAY
	FO FO FO FO		Room Room EQ EQ	Room Room EQ EQ	Room Room EQ EQ	Room Room EQ EQ
-72dB -72dB -72dB -72dB -72dB -72dB	B -72dB -72dB -72dB		-SP 1Way-	——SP 1Way——	—— SP 1Way——	——SP 1Way——
RdB RdB RdB RdB 8	dB ØdB ØdB ØdB	9dE 9dE	DELAY	DELAY	DELAY DELAY	DELAY DELAY
FBS FBS FBS			PE0 PE0	PE0 PE0	PE0 PE0	PEQ PEQ
		AGC		LIM		
SEL SEL SEL SEL SEL	SEL SEL SEL		SEL	SEL SEL	SEL SEL	SEL
			ON ON	ON ON	ON ON	
	0 - 0 - 0 - 0			0 0		
	9 9 9 9 9 9 12 12 12 12 12	- 9 - 9 - 12 - 12	12	9 9 9 12 12	1 12 12	
15151515 1818181818	15151515 18181818 242424	- 15 - 15 - 18 - 18 - 24 - 24	1515 - 1818 - 2424	1515 1818 1818	1515 1818 0404	1515 1818
	27	- 30 - 30		3030		
	50505050 60 <u>60</u> <u>60</u> <u>50</u>		5050 - 6060 -	-5050 -6060	5050 6060	5050 6060
-00 -00 -00 -00 -00	-00 -00 -00	-00 -00	0.00 0.00	8.88 8.88	0.00 0.00	8.88 8.88
CH1 CH2 CH3 CH4 CH5	CH6 CH7 CH8	STIN1 STIN2	OUT1 OUT2	OUT3 OUT4	OUTS OUT6	OUT7 OUT8
		> #				

If you store these settings as a different preset, you'll be able to easily switch to settings with a limited number of microphones. In the example above, wireless microphones 9 through 11 are not used, so FBS is used on all of the wireless microphones (1 through 8) that are being used.

This completes settings in the offline state. Save the settings once again.

Connecting the equipment

After you've rack-mounted the MTX and your other equipment, connect the MTX and the other equipment as shown below. If you've copied audio sources to an SD memory card, insert the card into the MTX now.



To connect the MTX to your computer, use a CAT5e or higher cable with all eight pins connected.

Powering-on the MTX

Turn on the power of the MTX. Turn off the amplifier before you power-off the MTX.

Powering-on the amp

On the rear panel of the XMV, set the [SPEAKERS] DIP switch, and then turn on the power of the amps (XMV). To prevent unwanted sound from being output, we recommend that you turn down the attenuator settings of all channels on the amp itself before you turn it on.

To change the XMV attenuator setting, press the button of the appropriate channel and then turn the encoder.

NOTE

- With the factory settings, the XMV's attenuators are set to the lowest value.
- For more about the [SPEAKERS] DIP switch, refer to the XMV owner's manual.

Setting the MCP1's UNIT ID

Set the MCP1's UNIT ID. About setting the UNIT ID, refer to the "MCP1 Installation Manual."

Specifying the computer's TCP/IP address

To allow the MTX and the computer to communicate, specify the computer's TCP/IP as follows.

- **1.** On the [System] menu, click [Network Setup]. The "Network Setup" dialog box will appear.
- **2.** Click [Open Network Connection]. "Network Connections" will appear.
- **3.** Right-click the adapter to which the MTX is connected, and choose [Properties]. The "Local Area Connection Properties" dialog box will appear.
- **4.** Choose [Internet Protocol Version 4 (TCP/IPv4)], and then click [Properties]. The "Internet Protocol Version 4 (TCP/IPv4) Properties" dialog box will appear.
- 5. Click [Use the following IP address (S)].

6. In the [IP address] box, enter "192.168.0.253"; in the [Subnet mask] box, enter "255.255.255.0."

NOTE

The MTX3's IP address is set to "192.168.0.1" and "192.168.0.2," and the XMV's IP address is set to "192.168.0.26."

Internet Protocol Version 4 (TCP/I	(Pv4) Properties
General	
You can get IP settings assigned this capability. Otherwise, you ne for the appropriate IP settings.	automatically if your network supports eed to ask your network administrator
Obtain an IP address autom	atically
• Use the following IP address	
IP address:	192.168.0.253
Subnet mask:	255.255.255.0
Default gateway:	
Obtain DNS server address	automatically
• Use the following DNS serve	r addresses:
Preferred DNS server:	
Alternate DNS server:	
Validate settings upon exit	Ad <u>v</u> anced
	OK Cancel

7. Click [OK].

NOTE

In some cases, Windows firewall may block MTX-MRX Editor when you make this setting. Select the [Private Network] check box, and click [Allow Access].

Taking MTX-MRX Editor online

In the upper right of MTX-MRX Editor, click the [Online] button. When the unit has successfully come online, the indicator 1 at the left will light blue.



When the "Synchronization" dialog box appears, select "To Device," and click the [OK] button. When the indication in the dialog box has switched, select the system that you want to place online, and click the [Online] button. The project created in MTX-MRX Editor will be sent to the MTX.

		Synchronization		
		DIRECTION: To De	evice	
		SYSTEM	STATUS	PROGRESS
		MTX3 cascade	OFFLINE	details
Synchronization		No Assign		
To Device	From Device	INV Assign	LUSI	details
		No Assign	LOST	details
		No Assign	LOST	details
		System Message	o oo ooline an	d then click [Online] button
	OK Cancel	Select the systems	o go onnire an	
				Online Cancel

Making XMV settings

If necessary, use the XMV's front panel to make settings such as the high pass filter. For more about the settings you can make on the XMV, refer to the XMV owner's manual.

Verifying that the settings were applied

The main items to verify are listed below. For details on each parameter setting, refer to "MTX-MRX Editor User Guide."

1. Recall the Basic preset.

2. Using the oscillator in the "ROUTER" screen, adjust the output level.

Adjust the amp's attenuator value to an appropriate level.

3. Specify the gain from the microphone.

You can set the gain in the dialog box that appears when you press the parameter recall button for a port or external device of an input channel in the "MAIN" screen. Watch the input meter, and adjust the setting appropriately.

4. Set the input levels and output levels.

Using the input/output faders in the "MAIN" screen, adjust the levels. As necessary, apply the output limiter in the "CHANNEL EDIT" screen to prevent your speakers from being damaged. Adjust the amp attenuator values to obtain the optimal S/N ratio. In addition, make FBS settings as necessary.

5. Store the Basic preset.

Store by overwriting the previously-specified content.

6. Check the MCP1 settings.

Verify that the MCP1 operates as you expect.

When you have finished making all settings, save the project and switch MTX-MRX Editor offline.

This completes the settings for example 3.

Example 4) A system using Dante

This example assumes an audio signal flow like the one shown below.



Using the Device Configuration Wizard to create your device setup

You will use MTX-MRX Editor's wizard to create your device setup before actually connecting your equipment. After you've made basic settings, you'll be able to print information about system cabling and ID numbers. Make basic settings for System A, and then make basic settings for System B. Use the following procedure to make basic settings.

1. Enter a name for the MTX/MRX System that we are calling System A, and then click [NEXT>].

C Device Configuration Wizard			×
System #1 The Device Configuration Wizard guides you through the initial configuration of your system design,			
and configures device settings. Select and name a new configuration, edit an existing configuration, or clear an existing configuration.	·	- W mmy y	
SYSTEM NAME System A			
New			
Edit Configuration Changing the number of devices, type of devices and/or connection will initialize the settings of Word Clock and Dan	nte.		
O Go to Mini-YGDAI Card and Controller Setup.			
Car	ncel < Ba	ck Next >	Finish

2. Specify the number of units that will be connected in your MTX/MRX System, and click [Next>].

In "YDIF Connected," specify 1 each as the number of MTX5-D, EXi8, and EXo8 devices. To make settings for the EXo8, use the scroll bar to make the EXo8 visible.

Configuration Wizard			X
System A		8	
Enter the number of devices which are co At least one MTX or MRX device must exi When you change a configuration, pleas	onnected via YDIF, Analog, and/or Dante. st to make up a system. After changing the C e store the existing PRESET again.	configuration, re-store the existing Preset d	lata.
YDIF Connected	ANALOG Connected	DANTE Connected	
DEVICE TYPE Number	DEVICE TYPE Number	DEVICE TYPE Number	DEVICE TYPE Number
MRX7-D 0	XMV4140 □ • • • • • • • • • • • • • • • • • • •	PGM1 0 •	MCP1 0 -
MTX5-D	XMV4280 0 ▼	XMV4140-D	
MTX3	XMV8140 0 ▼	XMV4280−D 0 ▼	
EX18	XMV8280 0 ▼	XMV8140−D 0 ▼	
XMV4140 □	XMV4140-D	XMV8280-D □	
x₩v4280 0 ▼	XMV4280−D 0 ▼		
XMV8140 0 ▼	XMV8140−D 0 ▼		
XMV8280 □ 0 ▼	XMV8280-D 0 ▼	-	+
Number of Assigned Devices: •MTX/MRX Total: 1 / 4 • •YDIF Total: 3 /	8	·MTX/MRX/XMV/EXio: 3/20 ·PGM	1/MCP1: 0 / 20 · Project Total: 6 / 80
		Cancel	< Back Next > Finish

3. Specify the UNIT ID of each device, and click [Next>].

Set the UNIT ID so that the MTX5-D is 01, the EXi8 is 02, and the EXo8 is 03.

Device Configuration Wizard			—
System A		8	
Set the Unit IDs. Match the Unit IDs in the list below to the If no devices are present yet, match the p	physical devices if present. hysical IDs to the configuration diagram lat	ler.	
YDIF Connected DEVICE TYPE UNIT ID	ANALOG Connected DEVICE TYPE UNIT ID	DANTE Connected DEVICE TYPE UNIT ID	DEVICE TYPE Number
02 EX18 02 ••• 01 ••••• 03 EX08 03 •••			
		Cancel	< Back Next > Finish

4. Set the [UNIT ID] rotary switch and DIP switch of the devices.

You will set the computer's IP address after completing the wizard, in "Specifying the computer's TCP/IP address." If the devices are not nearby, you can set them during the step "Connecting the equipment."



Make the following settings.



- 5. When you have finished setting the [UNIT ID] rotary switch and DIP switch of the devices, click [Next>].
- 6. Verify that the devices are shown in the screen, and click [Next>].

Configuration Wizard				×
System A The order of the YDIF connected devices	can be changed by dragging and droppi	ng.		
YDIF Connected	ANALOG Connected	DEMOS	DANTE Connected	DEMOS
	Device	*	^	A
01 MTX5-D				
03 EX68				
Refresh			Cancel	< Back Next > Finish

7. Select the Mini-YGDAI card, and click [NEXT>].

In this example we are not using a Mini-YGDAI card, so leave the setting at [No Assign] and click [Next>].

🐻 Device Config	juration Wizard							-
System A					8 ()		·	
Select the Mini-'	YGDAI card.				-		D	
					公日 (Y manna) 公日 : 役 =	1111 - 10		
			Mini-YGDAI Card					
DEVICE	CARD TYPE	INFORMATION						
01 MTX5-D	No Assign 🔹							
				[Cancel	< Back	Next >	Finish

8. Choose the model of DCP that is connected to the MTX, enter a device name, and click [Finish].

In this example we are not using a DCP, so leave the settings as they are.

To Device Configuration Wizard	
System A Assign and name the Digital Control Panels connected to each MTX or MRX. Star topology using DCH8 is also possible.	
DEVICE 01 MTX5-D	
ID MODEL Name	
0 None •	
1 None	
2 None	
3 None •	
4 None	
5 None	
6 None	
7 None •	
	Cancel < Back Next > Finish

9. When you see the dialog box "Display the configuration diagram? The diagram can also be printed." click [Yes].



A cabling diagram will appear. If you want, click [Print] to print the diagram. To close the screen, click [Close].

Configuration [Diagram							
Ethernet	Connect the con switch using Eth	nputer and devices to an nernet cables.	Ethernet	oortant - Always set [n each MTX or MRX	DCP DIP switch 4 (termin (only set for one DCP pe	nation) to the ON position er MTX or MRX).	n for the longest DCP ca	ble run
System A		Digital Control Repol	This is an example	of a daisu chain con	noction	ANALOG	DANTE	
DEVICE		ID-8 ID=1	OH 1 2 3 4 1 2 3 4	ID=4 ID=5	ID=6 ID=7		DAME	
02 EXi8								
01 MTX5-D								
03 EXo8								
							>>Page2 Prin	t Close

NOTE

If you want to view the cabling diagram again, do so by choosing [File] menu \rightarrow [Print Configuration Diagram].

If you want to use the Device Configuration Wizard to change the device configuration, click the [Device Config] button in the Project screen.





10. In order to make basic settings for System B, click the system select tab [2 No Assign].

11. Click [Device Config].

The Device Configuration Wizard for System B will appear.

12. Enter a name for the MTX/MRX System that we are calling System B, and then click [NEXT>].



13. Specify the number of units that will be connected in your MTX/MRX System, and click [Next>].

In the "YDIF Connected" area, specify 1 each as the number of MTX5-D and XMV4280 units; in the "Dante Connected" area, specify 1 as the number of XMV4280-D devices.

🐻 Device Configuration Wizard			—
System B			
Enter the number of devices which are co At least one MTX or MRX device must exi When you change a configuration, pleas	onnected via YDIF, Analog, and/or Dante. st to make up a system. After changing the C e store the existing PRESET again.	Configuration, re-store the existing Preset o	lata.
VDIE Connected	ANALOG Connected	DANTE Connected	
DEVICE TYPE Number	DEVICE TYPE Number	DEVICE TYPE Number	DEVICE TYPE Number
MRX7-D 0	XMV4140 0	PGM1 ^	MCP1 ^
MTX5-D	XMV4280 □ 0 ▼	XMV4140−D 0 ▼	
MTX3	XMV8140 □ ↓	XMV4280-D □ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	
EX18 □	XXV9280	XMV8140-D	
XMV4140	XMV4140-D	XMV8280-D	
XMV4280	XMV4280-D 0		
XMV8140	XMV8140-D		
XMV8280	XMV8280-D 0	-	-
Number of Assigned Devices: •MTX/MRX Total: 1 / 4 • •YDIF Total: 2 /	/ 8	·MTX/MRX/XMV/EXio: 3/20 ·PGM	I1/MCP1: 0 / 20 · Project Total: 6 / 80
		Cancel	< Back Next > Finish

14. Specify the UNIT ID of each device, and click [Next>].

Set the UNIT ID so that the MTX5-D is 04, the XMV4280 is 30, and the XMV4280-D is 31.

Tevice Configuration Wizard			
<u>System B</u>			
Set the Unit IDs. Match the Unit IDs in the list below to the If no devices are present yet, match the p	physical devices if present. hysical IDs to the configuration diagram	later.	
YDIF Connected DEVICE TYPE UNIT ID	ANALOG Connected DEVICE TYPE UNIT ID	DANTE Connected DEVICE TYPE UNIT ID	DEVICE TYPE Number
04 MTX5-D 30 XMV4280 30 XMV4280 30 XMV4280 30 XMV4280		▲ 31 XMV4280-D 31 ▼	^
		v v	T
YDIF MODE DISTRIBUTION -			
		Cancel	< Back Next > Finish

15. Set the [UNIT ID] rotary switch and DIP switch of the devices.

You will set the computer's IP address after completing the wizard, in "Specifying the computer's TCP/IP address." If the devices are not nearby, you can set them during the step "Connecting the equipment."



Make the following settings.



NOTE

On the XMV4280, the higher digit of the UNIT ID is set by the DIP switch, and the lower digit is set by the [UNIT ID] rotary switch. For details, refer to the owner's manual of each device.



- **16.** When you have finished setting the [UNIT ID] rotary switch and DIP switch of the devices, click [Next>].
- **17.** Verify that the devices are shown in the screen, and click [Next>].

Configuration Wizard					—
System B					
The order of the YDIF connected devices	can be changed by dragging and droppi	ng.		-	·
				10 MW 10 20	
YDIF Connected	ANALOG Connected	DEVICE	DANTE Connected	DEVICE	
DEVICE	DEVICE	DEVICE		DEVICE	
04 MTX5-D		31 XMV4	280-D	Î	Î
30 XMV4280					
		÷		-	-
Refresh			Cancel	< Back	Next > Finish

18. Select the Mini-YGDAI card, and click [NEXT>].

In this example we are not using a Mini-YGDAI card, so leave the setting at [No Assign] and click [Next>].

🐻 Device Config	guration Wizard					×
System B					÷	
Select the Mini-	YGDAI card.					
0						
			Mini-YGDAI Card			
DEVICE	CARD TYPE	INFORMATION				
04 MTX5-D	No Assign 🔻					
				Cancel < Back	Next >	Finish

19. Choose the model of DCP that is connected to the MTX, enter a device name, and click [Finish].

In this example we are not using a DCP, so leave the settin	gs as they are.
-------------------------------------------------------------	-----------------

🐻 Device Co	nfiguration Wizard	
<u>System B</u> Assign and Star topolog	name the Digital Control Panels connected to each MTX or MRX. yy using DCH8 is also possible.	
DEVICE	04 MTX5-D 🔻	
ID O	MODEL Name	
1	None	
2	None	
3	None	
4	None	
5	None	
6	None 🔻	
7	None 🔻	
		Cancel < Back Next > Finish

20. When you see the dialog box "Display the configuration diagram? The diagram can also be printed." click [Yes].



A cabling diagram will appear. If you want, click [Print] to print the diagram. To close the screen, click [Close].

Configuration Dia	agram							-
Ethernet	Connect the con switch using Eth	nputer and devices to an iernet cables.	Ethernet	oortant - Always set n each MTX or MR)	DCP DIP switch 4 (ter ((only set for one DCP	nination) to the ON positio per MTX or MRX).	on for the longest DCP cable run	
DEVICE		Digital Control Panel	This is an example	of a daisy-chain co	nnection.	ANALOG	DANTE	
		1234 1234 ID=0 ID=1	000 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4	0H 1234 1234 ID=4 ID=5	10-6 ID-7	1		
04 MTX5-D							31 XMV4280-D	
30 XMV4280								
							>>Page2 Print	Close

NOTE

If you want to view the cabling diagram again, do so by choosing [File] menu \rightarrow [Print Configuration Diagram].

If you want to use the Device Configuration Wizard to change the device configuration, click the [Device Config] button in the Project screen.



Making preliminary settings in MTX-MRX Editor

Here's how to make detailed MTX/MRX System settings in MTX-MRX Editor. When you've finished making settings, you should save them by clicking [File] menu, then [Save].

NOTE

The "User Account Control" dialog box may appear. Click [Continue] or [Yes].

To switch between System A and System B, use the system select tabs in the "Project" screen. The currently selected MTX/MRX System is indicated by the system select tabs and the SYSTEM tab.

SYSTE	M tab		System se	lect tabs		
MTX-MRX Editor					[- • ×
<u>File System Contr</u>	ler <u>A</u> bout					
🗋 📤 🐁 📥	E	1011	💌 🛍 🌌		Online	Offline 💋
Project Syste	m A		Syst	em A System B	3 NoAssign	4 NoAssign
	Device Config			_		
NETWORK	YDIF	Digital Control Panel / PGM1		ANALOG	DANTE	MCP1
	02 EXi8					
	01 MTX5-D	0 1 2 3 4	5 6 7			
	03 EXo8					
-				-	-	•
Sustan						
Devic	ce Alert	511.41.455	01			\gg
VDIE MODE	ution		ON OFF			
		DISABLE STINC LEDS				

We'll start by making settings for System A.

Making EXT. I/O settings

Make settings for inputting and outputting digital audio. First we will make YDIF settings for System A. Click the SYSTEM tab to access the setting screen.

Project	System	A	
01 MTX5	-D		
YDIF 1-8	YDIF 9-16	ANALOG	DANTE

1. Click the [EXT. I/O] button.

The "EXT. I/O" screen will appear, allowing you to make input/output settings for the external devices. Since you'll be making settings for YDIF 1–8, there's no need to switch screens; simply make the settings in this screen.



2. Click the [EDIT] button.

Here you can specify YDIF 1-8 input/output settings for the EXi8 and EXo8.

3. Click the EXi8's input routing select button for YDIF 1.

The "YDIF In Patch" dialog box will appear.

YDIF In Patch		
YDIF In: 1		
Thru 02 EXi8		*
	Close	

4. For CHANNEL, click [1] and then click [Close] button.

The YDIF 1 input routing select button shows that CH1 of the EXi8 whose UNIT ID = 02 has been assigned to YDIF 1.



5. Verify that for the MTX5-D with UNIT ID = 01, the buttons located below YDIF 5 through YDIF 8 are set to OUT5 (OUTPUT 5) through OUT 8 (OUTPUT 8) respectively.

If the settings are different, click the button and change the setting.

Channel Select	Channel Select							
YDIF: 05 •								
Thru								
-INPUT CHANNEL(POST	ON)							
1 2	3	4	5	6	7	8		
9 10	11	12	13	14	15	16		
STEREO INPUT CHANN	NEL(POST C	N)						
1L IR	2L	2R	3L	3R				
ZONE OUT								
1 2	3	4	5	6	7	8		
9 10	11	12	13	14	15	16		
OUTPUT								
1 2	3	4	5	6	7	8		
9 10	11	12	13	14	15	16		
		Clo	se					

6. Click the EXo8's output routing select button for YDIF 5.

The "YDIF Out Patch" dialog box will appear.

YDIF Out Patch		
YDIF Out:	•	
03 EXo8	1 2 3 4 5 6 7 8	*
		-
	Close	

7. For CHANNEL, click [1] button.

The screen indicates that the YDIF 5 signal is output to CH 1 of the EXo8.

TX-MRX Editor				
<u>File System Controller About</u>				
0 📥 🖶 📥 🗌	EDIT	• 🖻 🖉		Online Offline 🖌
Project System A				
01 MTX5-D		EXT. I/O	EXi8 EXo8	
YDIF 1-8 YDIF 9-16 ANALOG D	ANTE			
EXT.I/O EDIT YDIF 1 YDIF 2 02 EXi8	YDIF 3	YDIF 4 YDIF 5	YDIF 6 YDIF '	7 YDIF 8
EXi8 CH 1 > Thru	Thru	Thru Thru	Thru	Thru
01 MTX5-D MTX5-D 00T1 > 00T2 >		00T4 2 00T5 2	0UT6 2 0UT7	
03 EXo8				
				الصلا
				المعلل
	Ասասվե	_U_L	ļedije	u—U

8. Change the output destination in the [YDIF Out:] list box, to assign YDIF 6 through YDIF 8 to CH 2 through CH 4 of the EXo8, and then click "Close" button.

TX-MRX Editor				_ = _
<u>File System Controller</u>	About			
0 📤 🐁 📥	EDIT	💌 🔯 🖉		Online Offline 🖊
Project System A				
01 MTX5-D		EXT. I/O	EXi8 EXo8	
YDIF 1-8 YDIF 9-16	ANALOG DANTE			
EXT.I/O EDIT YDIF 1 02 EXI8	YDIF 2 YDIF 3	YDIF 4 YDIF 5	YDIF 6 YDIF 7	YDIF 8
EXi8 CH 1	Thru Thru	Thru Thru	Thru Thru	Thru
MTX5-D 0UT1				
03 EXo8				
				<u>n – n</u>
		لمعلاها		

9. Click [EDIT] button to lock the settings.



Settings in the "MAIN" screen

In the "MAIN" screen you can make overall settings for each channel. Click the [01 MTX5-D] button to access the MTX "MAIN" screen. For details on each parameter, refer to "MTX-MRX Editor User Guide." Here you'll make the following settings.

- Channel name
- Channel on/off
- Gain and phantom power
- (As necessary) EQ settings



• INPUT settings

Make the following input settings.

CH1	Signal from the main mic of System A, connected to the EXi8
СН9	Signal from the main mic of System B
CH10	System B signal other than the main mic
STIN1 L/R	Signal from the CD player connected to ST IN1
STIN2 L/R	Signal from the background music player connected to ST IN2
STIN3 L/R	SD player built into the MTX5-D



Port select button

When you click this, the "Input Patch" dialog box will open. This example makes the following changes to the default settings.

CH1	YDIF [1] (System A main mic connected to the EXi8)
СН9	DANTE [9] (Signal from the system B main mic)
CH10	DANTE [10] (System B signal other than the main mic)

Port / External Device parameter access button

This lets you make input connector settings for the MTX and EXi8. When you click the button, a popup window will appear. Make the desired settings, and then in the upper right, click \times to close the popup window. The appropriate gain level will depend on the devices that are connected, so set the level appropriately for your devices. For CH1, make settings for input connector

1 of the EXi8. The gain of the EXi8 is set to



Because condenser microphone is connected to CH1, leave the gain at 30 dB and turn phantom power on.

[ON] button

-6 dB by default.

This turns the channel on/off. You should turn off unused channels.

Fader

This adjusts the input level. Leave the fader at $-\infty$ until the system goes online.

Channel name

You can double-click this to edit the name. In this example, names have been assigned as follows.

CH1	Main Mic
СН9	Sys B9
CH10	Sys B10
STIN1	CD Player
STIN2	BGM
STIN3	SD Player

• OUTPUT settings

Make the following output settings.

CH1-4	Output to the amps in Amp Room A using the analog outputs of the MTX5-D
CH5-8	Output to the amps of Amp Room B using CH1-4 of the EXo8 connected via YDIF
CH9	Output the signal of the main mic connected to the EXi8 to System B via Dante[9]
CH10	Output a signal other than the main mic to System B via Dante [10]



Port select button

Click this to open the "Output Patch" dialog box. This example makes the following changes to the default settings.

OUT1	OUTPUT [1]
OUT2	OUTPUT [2]
OUT3	OUTPUT [3]
OUT4	OUTPUT [4]
OUT5	YDIF [5]
OUT6	YDIF [6]

OUT7	YDIF [7]
OUT8	YDIF [8]
OUT9	DANTE [9]
OUT10	DANTE [10]
OUT11– OUT16	No setting

Port / External Device parameter access button

When you click this button, a popup window will appear. For OUT1 through OUT4, make settings for MTX output connectors 1 through 4.

For OUT5 through OUT8, make settings for EXo8 output connectors 1 through 4.

For OUT9 and OUT10, make settings for output to the Dante network. Verify that each GAIN is set to 0.0 dB.

DELAY / Room EQ

Click this to move to a screen where you can set delay and room EQ. Since OUT9 and OUT10 are for transmission to System B, do not make settings.

Speaker processor

Click this to move to the "CHANNEL EDIT" screen. Make the appropriate settings for the speakers that will be connected.

Since OUT9 and OUT10 are for transmission to System B, do not make settings.

NOTE

The pre-installed library contains speaker processor files that are appropriate for the response of various speakers. By using these files you can make speaker processor settings easily.

[ON] button

This button turns the channel on/off. Turn off unused channels.

Channel name

You can double-click this to edit the name.

In this example, names have been assigned as follows.

OUT1	RoomA1	OUT6	RoomB2
OUT2	RoomA2	OUT7	RoomB3
OUT3	RoomA3	OUT8	RoomB4
OUT4	RoomA4	OUT9	Sys B9
OUT5	RoomB1	OUT10	Sys B10

■ Settings in the "MATRIX" screen

Here you can specify which input channel will be sent to which zone. For details on send level and other parameters, refer to "MTX-MRX Editor User Guide."

When making settings for System A, "this MTX/MRX System" refers to System A, and "the other MTX/MRX System" refers to System B.

When making settings for System B, "this MTX/MRX System" refers to System B, and "the other MTX/MRX System" refers to System A.



In this example, make the settings shown in the illustration in before page. Clicking a cross point (a square area) or dragging cross points will switch it on/off. If you right-click on a cross point, a context menu appears. You can select [All OFF] to turn off all cross points. The cross point shows the send level as the amount of green. For each zone, this setting will be as follows.

- Zone 1: Input channel 1, CD/BGM/SD (SDIN1–3), and the audio from the other MTX/MRX System are broadcast to this entire MTX/MRX System. Since the mic (CH1) of this MTX/MRX System and the mic (CH9) of the other MTX/MRX System are assigned for emergency announcements etc. for the entire building, specify their Priority in the "ZONE" screen that follows. When you turn CH1 and CH9 on in the matrix, the (attenuated) signal from the matrix will be combined
- **Zone 2:** This is for broadcasting the voice from the main mic (CH1) to the other MTX/MRX System.
- Zone 3: This is for broadcasting signals other than the main mic to the other MTX/MRX System.

with the signal from Priority, and output.

For the input channel faders in the lower left of the screen, the grayed-out faders show input levels, and the other faders show input channel send levels. Grayed-out faders cannot be operated in this screen.



Priority signal flow

Settings in the "ZONE" screen

In the "ZONE" screen you can make Priority DUCKER settings. The Priority Ducker function temporarily attenuates the inputs from other channels when audio is input from a specified input channel, ensuring that the audio from the specified input channel will be broadcast clearly. Priority is given in the order of "1st PRIORITY > 2nd PRIORITY > Matrix Out signals."



In this example, we are assuming that the main A mic (CH1) and the other MTX/MRX System's mic (CH9) will be used for broadcast to the entire building. Thus, for 1st PRIORITY, we set the PRIORITY SOURCE to CH1; as the 2nd PRIORITY SOURCE we select CH9 in ZONE1, and click the [ON] button located at the right to make it light. Because there's no need to make settings for zones 2 through 8, make sure that the [ON] button at the right of 1st PRIORITY and 2nd PRIORITY are unlit (turned off).

Use the ZONE select buttons to switch the zone.

For details on each parameter, refer to "MTX-MRX Editor User Guide."

■ Settings in the "ROUTER" screen

In the "ROUTER" screen you can assign zones to outputs.

In this example, set ZONE1=OUTPUT 1 through 8, ZONE2=OUTPUT 9, and ZONE3=OUTPUT 10. With these settings, this MTX/MRX System will broadcast all of its own audio as well as all audio of the other MTX/ MRX System, the main mic of this MTX/MRX System will be sent to Dante channel 9, and signals of this MTX/MRX System other than the main mic will be sent to Dante channel 10.



This completes settings for this MTX/MRX System.

Next we will make settings for System B.

System B will have many of the same settings as System A. For the System B settings, we will explain settings made in the "EXT I/O" screen and settings made in the "MAIN" screen. Other settings will be the same as previously explained. If you've also finished the settings for System B, proceed to "Dante settings between systems." First, select System B in the "Project" screen.

MTX-MRX Editor							[- • ×
<u>File</u> System <u>C</u> ontro	ller <u>A</u> bout							
	E	DIT		•	P		04 Online	Offline 💋
Project Syste	em B				System	A System B	3 NoAssign	4 NoAssign
	Device Config							
NETWORK	YDIF	Digital Contro	ol Panel / PGM	1	\$	ANALOG	DANTE	MCP1
	04 MTX5-D	- ⁰ · ¹	2 3	4 5	6 7		31 XMV4280-D	
	30 XMV4280							
System Devic	ce Alert				35			\gg
SYSTEM NAME System	n B	DIM	MER	ON	FF			
YDIF MODE Distrib	ution	DISA	BLE SYNC LE	DS ON C	FF			

Making EXT. I/O settings

Make settings for inputting and outputting digital audio. First make YDIF and Dante settings for System B. Click the SYSTEM tab to access the setting screen.

Project	System	В	
04 MTX5	-D		
MAIN	INPUT	MATRIX	ZONE

1. Click the [EXT. I/O] button.

The "EXT. I/O" screen will appear, allowing you to make input/output settings for the external devices. Since you'll be making settings for YDIF 1–8, there's no need to switch screens; simply make the settings in this screen.

2. Click the [EDIT] button.

Now you can specify the inputs from the XMV unit's YDIF 1-8.



3. Click the XMV's output routing select button for YDIF 1.

The "YDIF Out Patch" dialog box will appear.

YDIF Out Factor	Input Source YD	IF ANALOG DANTE
30 XMV4280	A B C D	
		-
If the XMVs are set t	Double Power mode, outputs of B/D/F/H	I channels will be disabled.

4. For CHANNEL, click [A] button.

The screen indicates that the YDIF 1 signal is output to CH A of the XMV.

MTX-MRX Editor		
<u>File System Controller About</u>		
		02 03 04 Online Offline 🖌
Project System B		
04 MTX5-D	EXT. I/O	XMV
YDIF 1-8 YDIF 9-16 ANALOG DANTE		
EXT.I/O	DIF 4 YDIF 5 YDIF	6 YDIF 7 YDIF 8
04 MTX5-D		
30 XMV4290		
	_ _ _	-
	_ _	-
	_	_
		11 11 11

5. Change the output destination in the [YDIF Out:] list box, to assign YDIF 2 through YDIF 4 to CH B through CH D of the XMV4280, and then click [Close] button.

MTX-MRX Editor	
<u>File System Controller About</u>	
	01 02 03 04 Online Offline 💋
Project System B	
04 MTX5-D EXT. 1	/0 XMV
YDIF 1-8 YDIF 9-16 ANALOG DANTE	
EXT.//O EDIF 1 YDIF 2 YDIF 3 YDIF 4 YDIF 4	DJF 5 YDJF 6 YDJF 7 YDJF 8
04 MTX5-D O O O	
30 XMV4280	

6. Click [EDIT] button to lock the settings.

	MTX-MRX Editor				
	<u>File System Controller Abo</u>	ut			
	🗋 📥 📥	EDIT	Image:	01 02 03 04 Online	Offline 💋
	Project System B				
	04 MTX5-D		EXT. I/O	XMV	
	YDIF 1-8 YDIF 9-16 ANA	LOG DANTE			
[EDIT] button	EXT.I/O EDIT YDIF 1	YDIF 2 YDIF 3	YDIF 4 YDIF 5	YDIF 6 YDIF 7	YDIF 8
	04 MTX5-D	0 0	Ö Ö	0 0	0
	MTX5-D OUT1			0UT6 > 0UT7 >	OUT8 >
	30 XMV4280				
		CH B CH C CH C	OHD		

7. Click [DANTE] button.

The Dante setting screen will appear. Here you will specify the output to the XMV4280-D.


8. In the upper left, click the [EDIT] button.

Now you can make Dante input/output settings. If the [Preserve the Dante settings configured by Dante Controller] check box is selected, clear the check box.

MTX-MRX Editor - MTX5-D Dante system-2.n	ntx		
<u>File</u> System <u>C</u> ontroller <u>A</u> bout			
	EDIT 01 Basic		Online Offline 💋
Project System B			
04 MTX5-D		EXT. I/O	XMV
YDIF 1-8 YDIF 9-16 ANALOG	DANTE		
Preserve the Dante settin	nes confisured by Dante Dontroller.	YMY Ineut Source YOIF	ANALOS DANTE

9. Click [04 MTX5-D] in [Transmitters], and click [31 XMV4280-D] in [Receivers]. A patching grid is displayed.

TTX-MRX Editor - MTX5-D Dante system-2.mtx				×
<u>File System Controller About</u>				
	01 Basic	🖻 🛍 🖉	01 02 03 04 Online Offline	ø
Project System B				
04 MTX5-D		EXT I/O	XMV	
YDIF 1-8 YDIF 9-16 ANALOG DANTI		LKI11/0	AIV	
	En med hu Danka Gankarijan			
81 82 Sustem	hadred ba bance controller.		Alley InPot Source Tour HighLoo Drivite	ų.
Transmittave				
64 MTX5-0				
Receivers 2 1 2 3 4 5 6 7 8 9 1	11 12 13 14 15 16			
01 01 MTX5-D				
Bust Bust				
31 %				

10. Click the grid locations where 5 through 8 of the MTX5-D intersect with A through D of the XMV4280-D.

 $A \bigcirc$ symbol is shown on the grid.



11. In the upper left, click [EDIT] button to lock the settings.

T MTX-MRX Editor - MTX5-D Dante system-2.mtx		
<u>File</u> System <u>C</u> ontroller <u>A</u> bout		
	01 Basic 💿 🛍 🖉	01 02 03 04 Online Offline 💉
Project System B		
04 MTX5-D	EXT. I/0	XMV
YDIF 1-8 YDIF 9-16 ANALOG DANTE		
EDIT Preserve the Dante settings configured by	Dante Controller.	XMV Input Source YDIF ANALOG DANTE
81 02 System B		
Transmitters		
Receivers 20 1 2 3 4 5 6 7 8 9 18 11 12 13	14 15 16	
a 84 MTX5-D		
M428		

Settings in the "MAIN" screen

In the "MAIN" screen you can make overall settings for each channel. Click the [04 MTX5-D] button to access the MTX "MAIN" screen. For details on each parameter, refer to "MTX-MRX Editor User Guide." Here you'll make the following settings.

- Channel name
- Channel on/off
- Gain and phantom power
- (As necessary) EQ settings



• INPUT settings

Make the following input settings.

CH1	Signal from the main mic of System B, connected to the MTX5-D	
CH9	Signal from the main mic of System A	
CH10	System A signal other than the main mic	
STIN1 L/R	Signal from the CD player connected to ST IN1	
STIN2 L/R	L/R Signal from the background music player connected to ST IN2	
STIN3 L/R	SD player built into the MTX5-D	



Port select button

When you click this, the "Input Patch" dialog box will open. This example makes the following changes to the default settings.

СН9	DANTE [9] (Signal from the system A main mic)
CH10	DANTE [10] (System A signal other than the main mic)

Port / External Device parameter access button

This lets you make input connector settings for the MTX. When you click the button, a popup window will appear. Make the desired settings, and then in the upper right, click \times to close the popup window.



The appropriate gain level will depend on

the devices that are connected, so set the level appropriately for your devices. For CH1, make settings for input connector 1 of the MTX. The gain is set to 30 dB by default.

Because condenser microphone is connected to CH1, leave the gain at 30 dB and turn phantom power on.

[ON] button

This turns the channel on/off. You should turn off unused channels.

Fader

This adjusts the input level. Leave the fader at $-\infty$ until the system goes online.

Channel name

You can double-click this to edit the name.

In this example, names have been assigned as follows.

CH1	Main Mic
CH9	Sys A9
CH10	Sys A10
STIN1	CD Player
STIN2	BGM
STIN3	SD Player

• OUTPUT settings

Make the following output settings.

CH1-4	Output via YDIF to the XMV4280 in Amp Room A	
CH5-8	Output via Dante to the XMV4280-D in Amp Room B	
СН9	Output the signal of the main mic to System A via Dante[9]	
CH10	Output a signal other than the main mic to System A via Dante [10]	



Port select button

Click this to open the "Output Patch" dialog box. This example makes the following changes to the default settings.

OUT1	YDIF [1]
OUT2	YDIF [2]
OUT3	YDIF [3]
OUT4	YDIF [4]
OUT5	DANTE [5]
OUT6	DANTE [6]

OUT7	DANTE [7]
OUT8	DANTE [8]
OUT9	DANTE [9]
OUT10	DANTE [10]
OUT11- OUT16	No setting

Port / External Device parameter access button

When you click this button, a popup window will appear, allowing you to set the MTX's output connector parameters.

For OUT1 through OUT4, make settings for XMV4280 output connectors A through D.

For OUT5 through OUT8, make settings for XMV4280-D output connectors A through D.

For OUT9 and OUT10, make settings for output to the Dante network. Verify that GAIN is set to 0.0 dB.

DELAY / Room EQ

Click this to move to a screen where you can set delay and room EQ. Since OUT9 and OUT10 are for transmission to System A, do not make settings.

Speaker processor

Click this to move to the "CHANNEL EDIT" screen. Make the appropriate settings for the speakers that will be connected.

Since OUT9 and OUT10 are for transmission to System A, do not make settings.

NOTE

The pre-installed library contains speaker processor files that are appropriate for the response of various speakers. By using these files you can make speaker processor settings easily.

[ON] button

This button turns the channel on/off. Turn off unused channels.

Channel name

You can double-click this to edit the name.

In this example, names have been assigned as follows.

OUT1	RoomA1
OUT2	RoomA2
OUT3	RoomA3
OUT4	RoomA4
OUT5	RoomB1

OUT6	RoomB2
OUT7	RoomB3
OUT8	RoomB4
OUT9	Sys A9
OUT10	Sys A10

Subsequent settings in MTX-MRX Editor are the same as System A "MATRIX" screen settings through "ROUTER" screen settings. Make the Settings in the "MATRIX" screen through the settings in the "ROUTER" screen.

Dante settings between systems

Here you'll make Dante settings for between System A and System B.

Regardless of whether you make these settings in System A or in System B, the settings will be applied to each other. For this example, our explanation will use the System B screen.

1. Click the [EXT. I/O] button.

The "EXT. I/O" screen will appear, allowing you to make input/output settings for the external devices. If the Dante setting screen is not shown, click the [DANTE] button to access the Dante setting screen.

File System Controller About	stem-2.mux				
		Basic	• 🛍 🖉		Online Offline 🖋
Project System B					
04 MTX5-D YDIF 1-8 YDIF 9-16 ANALO	G DANTE		EXT. I/0		XMV
EDIT Preserve the Da	nte settings configured by Da	nte Controller.		XMV Input Source YDIF	ANALOG DANTE
01	02 System B	_			
Transmitters	04 MTX5-D				
Receivers Image: 1 state s	6 7 8 9 18 11 12 13 1	4 15 16			

2. In the upper left, click the [EDIT] buttons.

Now you can make Dante input/output settings. If the [Preserve the Dante settings configured by Dante Controller] check box is selected, clear the check box.

AF Editor - MTX5-D Dant	e system-2.mtx				
ste i <u>C</u> ontroller <u>A</u> bou	t	lot nucle			
	EDI	OT Basic			4 Online Offin
System B					
MT 5-D			EXT. 1/0		XMV
1-8 YDIF 9-16 AN	ALOG DANTE				
EDIT Preserve the	e Dante settings configured b	a Dante Controller.		XMV Input Source YDIF	ANALOG DAN1
81	02 System B				
nsmitters	84 MTX5-D	_			
18					
eivers 123 4	1 5 6 7 8 9 18 11 12	3 14 15 16			
4 MTX5-D					
458-					
C O					
l l l l l l l l l l l l l l l l l l l					

3. Click MTX5-D in [Receivers] and [Transmitters] to expand the display.

If the [04 MTX5-D] display is already expanded, leave it as it is.



4. Click the grid locations where 9 and 10 of the respective MTX5-D units intersect.

A \bigcirc symbol is shown on the grid.



5. In the upper left, click [EDIT] buttons to lock the settings.



Storing a preset

Now we'll store the settings we've made up to this point as a preset. To store or recall a preset, click the camera icon in the upper part of MTX-MRX Editor.



When you click the camera icon, the "Preset" dialog box will appear. You can create up to 50 presets. Click the preset number that you want to store; the line will be selected. Then click the [Store] button, specify the preset name, and click the [OK] button.

NOTE

If you don't store the preset, alert number 61 will occur.

This completes settings in the offline state. Save the settings once again.

Connecting the equipment

After you've rack-mounted the MTX and your other equipment, connect the MTX and the other equipment as shown below. If you've copied audio sources to an SD memory card, insert the card into the MTX now. Here we will explain an example of redundant Dante connections. If you're using daisy-chain connections, refer to the Q&A.

System A connections



System B connections



To connect the MTX to your computer, use a CAT5e or higher cable with all eight pins connected.

Powering-on the MTX

Turn on the power of the MTX. Turn off the amplifier before you power-off the MTX.

Powering-on the amp

On the rear panel of the XMV, set the [SPEAKERS] DIP switch, and then turn on the power of the amps (XMV). To prevent unwanted sound from being output, we recommend that you turn down the attenuator settings of all channels on the amp itself before you turn it on.

To change the XMV attenuator setting, press the button of the appropriate channel and then turn the encoder.

NOTE

- With the factory settings, the XMV's attenuators are set to the lowest value.
- For more about the [SPEAKERS] DIP switch, refer to the XMV owner's manual.

Specifying the computer's TCP/IP address

To allow the MTX and the computer to communicate, specify the computer's TCP/IP as follows.

1. On the [System] menu, click [Network Setup].

The "Network Setup" dialog box will appear.

2. Click [Open Network Connection].

"Network Connections" will appear.

- **3.** Right-click the adapter to which the MTX is connected, and choose [Properties]. The "Local Area Connection Properties" dialog box will appear.
- **4.** Choose [Internet Protocol Version 4 (TCP/IPv4)], and then click [Properties]. The "Internet Protocol Version 4 (TCP/IPv4) Properties" dialog box will appear.
- 5. Click [Use the following IP address (S)].

6. In the [IP address] box, enter "192.168.0.253"; in the [Subnet mask] box, enter "255.255.255.0."

NOTE

The IP address of each device is set as follows.

System A:	MTX5-D : 192.168.0.1 EXi8 : 192.168.0.2 EXo8 : 192.168.0.3

System B: MTX5-D : 192.168.0.4 XMV4280 : 192.168.0.48 XMV4280-D : 192.168.0.49

Internet Protocol Version 4 (TCP/IPv4) Properties						
General						
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.						
Obtain an IP address automatica	ally					
• Use the following IP address:						
IP address:	192.168.0.253					
Subnet mask:	255.255.255.0					
Default gateway:						
Obtain DNS server address auto	matically					
• Use the following DNS server ad	dresses:					
Preferred DNS server:	·····					
Alternate DNS server:	• • •					
Validate settings upon exit	Ad <u>v</u> anced					
	OK Cancel					

7. Click [OK].

NOTE

In some cases, Windows firewall may block MTX-MRX Editor when you make this setting. Select the [Private Network] check box, and click [Allow Access].

Taking MTX-MRX Editor online

In the upper right of MTX-MRX Editor, click the [Online] button. When the unit has successfully come online, the indicator 1 and 2 at the left will light blue.



When the "Synchronization" dialog box appears, select "To Device," and click the [OK] button. When the indication in the dialog box has switched, select the system that you want to place online, and click the [Online] button. The project created in MTX-MRX Editor will be sent to the MTX.

		Synchronization		
		DIRECTION: To De	evice	
		SYSTEM	STATUS PROGRESS	
Synchronization		System A	OFFLINE	details
To Device	○ From Device	System B	OFFLINE	details
		No Assign		details
		No Assign		details
	OK Cancel	System Message Select the systems t	o go online and then click [Or	iline] button.
				Online Cancel

Making XMV settings

If necessary, use the XMV's front panel to make settings such as the high pass filter. For more about the settings you can make on the XMV, refer to the XMV owner's manual.

Verifying that the settings were applied

The main items to verify are listed below. For details on each parameter setting, refer to "MTX-MRX Editor User Guide." Perform these checks for each MTX/MRX System.

1. Using the oscillator in the "ROUTER" screen, adjust the output level.

Adjust the amp's attenuator value to an appropriate level.

The attenuator values of the XMV can be adjusted in the popup that is accessed by the port/external device parameter recall button located in the output channel area of the "MAIN" screen.

2. Specify the gain from the microphone.

You can set the gain in the dialog box that appears when you press the parameter recall button for a port or external device of an input channel in the "MAIN" screen. Watch the input meter, and adjust the setting appropriately.

3. Set the input levels and output levels.

Using the input/output faders in the "MAIN" screen, adjust the levels. As necessary, apply the output limiter in the "CHANNEL EDIT" screen to prevent your speakers from being damaged. Adjust the amp attenuator values to obtain the optimal S/N ratio. In addition, make FBS settings as necessary.

4. Store the preset.

When you have finished making all settings, save the project and switch MTX-MRX Editor offline.

This completes the settings for example 4.

Example 5) A system using the PGM1 for paging

Place the "Paging" component, and assign broadcast destinations (zones, zone groups) or pre-recorded messages to the zone/message select buttons of the PGM1.

You can use the buttons to select the broadcast destination (multiple selections are allowed) and play back pre-recorded messages from the SD card.



Up to four PGM1 units can be connected to an MTX/MRX system that includes an MTX5-D. One PGM1 unit can control one MTX5-D, and this PGM1 together with the MTX5-D are collectively called a Paging Device Group. One of the PGM1 units within the Paging Device Group is the 1st Priority Mic; this unit can broadcast taking priority over the other PGM1 units.

There are three ways to use the PGM1.

■ Broadcast from the mic.

- **1.** Use the zone/message select buttons to select the broadcast area.
- **2.** Press the PTT button.

If specified, the Opening Chime is heard.

- 3. When the status indicator is lit red, speak into the mic.
- 4. When you finish speaking, press the PTT button.

If specified, the Closing Chime is heard.

Play back a pre-recorded message from SD card

1. Use the zone/message select buttons to select the broadcast area.

2. Use the zone/message select buttons to select the message that you want to play back.

3. Press the PTT button.

If specified, the Opening Chime is heard. When the status indicator is lit red, the message plays. When message playback is completed, PTT automatically turns off. If specified, the Closing Chime is heard.

Use the scheduler to play back a pre-recorded message from SD card

By issuing a Paging event, the specified message is played back to the specified zone or zone group.

Using the Device Configuration Wizard to create your device setup

You will use MTX-MRX Editor's wizard to create your device setup before actually connecting your equipment. After you've made basic settings, you'll be able to print information about the cabling and ID numbers. Use the following procedure to make basic settings.

1. Type a name for the MTX/MRX system you'll be constructing, and click [Next>].

C Device Configuration Wizard			×
<u>System #1</u>		0 (
The Device Configuration Wizard guides you through the initial configuration of your system design, and configures device settings. Select and name a new configuration, edit an existing configuration, or clear an existing configuration.		a (
SYSTEM NAME System #1			
New			
Calit Configuration Changing the number of devices, type of devices and/or connection will initialize the settings of Word Clock and Dante.			
O Go to Mini-YGDAI Card and Controller Setup.			
O Clear			
Cancel	< Back	k Next >	Finish

2. Specify the number of units that will be connected in your MTX/MRX system, and click [Next>].

Set the number of "YDIF Connected" MTX5 units to 1, set the number of "DANTE Connected" PGM1 units to 1, and set the number of XMV8280-D units to 2.

🐻 Device Config	uration Wizard												x
Shopping Mall			enerated in VDIC	Apples and/or Dente					1.0 1.0				
At least one MT	X or MRX device mus	t exi	st to make up a sy	stem. After changing th	ne (Configuration, re-	store the exis	sting Preset	t d	ata.	anni a		
YDIF	Connected		ANAL	OG Connected		DAN	TE Connecte	d					
DEVICE TYPE	Number		DEVICE TYPE	Number		DEVICE TYPE	Number			DEVICE TYPE	Number		
MRX7-D	0 •	-	XMV4140	0 •	*	PGM1	1	•	^	MCP1	0	•	*
MTX5-D	1 •		XMV4280	0 •		XMV4140-D	0	•					
MTX3	0 -		XMV8140	0 •		XMV4280-D	0	•					
EX18	0 •	=	XMV8280	0 •		XMV8140-D	0	•					
XMV4140	0 •		XMV4140-D	0 •		XMV8280-D	2	•					
XMV4280	0 •		XMV4280-D	0 •									
XMV8140	0 •		XMV8140-D	0 •									
XMV8280	0 •	-	XMV8280-D	0 •	-				÷				-
Number of Assign •MTX/MRX Tota	ned Devices: al: 1/4 ·YDIF Total	: 1/	8			·MTX/MRX/XM	IV/EXio: 3	/ 20 ·PG	M	1/MCP1: 1/20	·Project	Fotal: 4/80	
								Cancel		< Back	Next >	Finish	

3. Specify the UNIT ID of each device, and click [Next>].

Unless you have specific reasons for doing so, use the UNIT ID that is assigned.

Device Configuration Wizard								×
Shopping Mall							-50.	
Set the Unit IDs. Match the Unit IDs in the list below to the If no devices are present yet, match the p	physical devices hysical IDs to the	if present. configuration diagram	later.					
YDIF Connected		OG Connected		DANTE Connected			Number	
	DEVICE TYPE	UNITID	DEVICE IN	PE UNITID	D	EVICE I YPE	Number	
			FOMI	60 🗸				<u></u>
			XMV8280-	•D 30 •				
			XMV8280-	D 31 ▼				
			-		-			-
YDIF MODE DISTRIBUTION *								
				Cancel		< Back N	ext > Fi	inish

4. Set the [UNIT ID] rotary switch and DIP switch of the devices.

Set the computer's IP address after completing the wizard, in "Specifying the computer's TCP/IP address." If the MTX, XMV, or PGM1 are not nearby, you can set them during the step "Connecting the equipment."



Make the following settings.



NOTE

Use the DIP switch to specify the upper digit of the UNIT ID, and use the [UNIT ID] rotary switch to specify the lower digit. For details, refer to the owner's manual or installation manual of each unit.



- **5.** When you've finished setting the device's [UNIT ID] rotary switch and DIP switch, click [Next>].
- **6.** Verify that the devices are shown in the screen, and click [Next>].

Tevice Configuration Wizard			
Shopping Mall			
The order of the YDIF connected devices	can be changed by dragging and droppin		
		->	
YDIF Connected DEVICE	ANALOG Connected DEVICE	DANTE Connected DEVICE	DEVICE
01 MTX5-D		60 PGM1	· ·
		30 XMV8280-D	
		31 XMV8280-D	
Refresh		Cancel	< Back Next > Finish

7. Set the number of PGX1 units to 1.

Device Conf Shopping Mal Specify the nu Assign each F	guration Wizard mber of PGX1 extension device: GM1 to MTX5-D Paging Device	s per PGM1. Group by drag	and drop.		#2				
As	sign PGX1 to PGM1		Oracia Linet	det Drivette UIO	Paging Devic	e Group	1.11/	24	
DEVICE	PGX1		Group Host	1st Priority MIC	MIC2	MIC3	MIC	54	
60 PGM1	1		01 MTX5-D	60 PGM1					
	Ethernet Switch				_				
PC Ethernet Switch PGM 1 PGM 1 PGX 1									
						Cancel	< Back	Next >	Finish

8. Set the PGM1's [UNIT ID] rotary switch and DIP switch.

If the device is not nearby, you can set it during the step "Connecting the equipment." Make the following settings.

PGM1	
	UNIT ID = 60 [UNIT ID] rotary switch = 0 DIP switch = 2 and 3 are ON (downward), others are OFF (upward)

9. When you've finished setting the PGM1's [UNIT ID] rotary switch and DIP switch, click [Next>].

10. Select the Mini-YGDAI card, and click [Next>].

Since a Mini-YGDAI card is not used in this example, leave this as [No Assign] and click [Next>].

🐻 Device Config	guration Wizard						—
Shopping Mall						·	
Select the Mini-	YGDAI card.				· .		
			Mini YGDAL Card	- Carl			
DEVICE	CARD TYPE	INFORMATION	Initi-TODAL Curd	 			
01 MTX5-D	No Assign 🔻]					
				Cancel	< Back	Next >	Finish

11. Choose the model of DCP that will be connected to the MTX, enter a device name, and click [Finish].

Since a DCP is not used in this example, leave the setting without change.

Configuration Wizard	
Shopping Mall Assign and name the Digital Control Panels connected to each MTX or MRX. Star topology using DCH8 is also possible.	
DEVICE 01 MTX5-D •	
ID MODEL Name 0 None	
2 None	
4 None	
5 None •	
6 None	
7 None •	
	Cancel < Back Next > Finish

12. When you see the dialog box "Display the configuration diagram? The diagram can also be printed." click [Yes].



A cabling diagram will appear. If you want, click [Print] to print the diagram.

To close the screen, click [Close].

Configuration Diagram						
Ethernet	Connect the computer and devices to an Ethernet switch using Ethernet cables.	Important - Always set DCP DIP switch 4 (termin: from each MTX or MRX (only set for one DCP per	ation) to the ON position for the long MTX or MRX).	gest DCP cable run		
Shopping Mall						
DEVICE	Digital Control Panel This is a YDIF DCP Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel Image: Control Panel	nexample of a daisy-chain connection. Image: Ima	ANALOG	DANTE		
01 MTX5-D				30 XMV8280-D 31 XMV8280-D		
			>>Page	2 Print Close		

NOTE

If you want to view the cabling diagram again, choose [File] menu \rightarrow [Print Configuration Diagram].

If you want to use the Device Configuration Wizard to change the device configuration, click the [Device Config] button in the Project screen.



Making preliminary settings in MTX-MRX Editor

Here's how to make detailed MTX/MRX system settings in MTX-MRX Editor. When you've finished making settings, you should save them by clicking [File] menu, then [Save].

NOTE

The "User Account Control" dialog box may appear. Click [Continue] or [Yes].

■ EXT. I/O settings

Here you'll make settings for inputting and outputting digital audio. Click the SYSTEM tab to access the setting screen.

Move to the setting screen by clicking the tab of the system name you specified in step 1 of "Using the Device Configuration Wizard to create your device setup."

Project	Shoppin	g Mall
01 MTX5	-D	
MAIN	INPUT	MATRIX

1. Click the [EXT. I/O] button.

The "EXT. I/O" screen appears.

MTX-MRX Editor			
<u>File System Controller About</u>			
🗋 📥 📥 👘 🔳		🖻 🖉 🛛 🚱 🖓	3 🔰 Online Offline 🖌
Project Shopping Mall			
01 MTX5-D		EXT. I/O	XMV
TDIF 1-8 TDIF 9-16 ANALOG DAN	IE		
EXT.170 EDIT YDIF 1 YDIF 2	YDIF 3 YDIF 4		YDIF 7 YDIF 8
01 MTX5 O	0 0	0 0	0 0
	OUT3 > OUT4 >	OUT5 > OUT6 >	0UT7 > 0UT8 >

2. Click the [DANTE] button.

The Dante setting screen appears.

TX-MRX Editor		
<u>File</u> System <u>Controller</u> About		
	. 🖻 🖉	01 02 03 04 Online Offine 🖌
Project Shopping Mall		
01 MTX5-D YDIF 1-8 YDIF 9-16 ANALOG DANTE	EXT. I/0	ХМУ
Preserve the Dante settines configured by Dante Controller.		XMY Ineut Source YDIF ANALOG DANTE

3. Click the [EDIT] button.

Now you can specify Dante input/output settings.



4. Click the MTX5-D in [Receivers] and [Transmitters], and the XMV8280-D in [Receivers], so that they are expanded.

If they are already expanded, leave them as they are.

T M	TX-MRX E	ditor												
<u>F</u> ile	System	<u>C</u> ontroller	<u>A</u> bout											
	1			EDIT				D) 8		D CP (3 4	Online	Offline	ø
Pr	oject	Snoppin	g Mali				_							
1	01 MTX5-	D						EXT. I/O				XMV		
YD	IF 1-8	YDIF 9-16	ANALOG	DANTE	_									
	EDIT	Pres	erve the Dant	e settings confi	aured by Danti	e Controller.			XMV Ine	ut Source 📃	YDIF	ANALOG	DANTE	
		_		31 Shopping Mall	_									
	Transmitte	ers		01 MTX5-D		68 PGM1								
81 Shopping Mail	Q-SXLW 19	1 2 1 2 3 4 5 6 7 8 9 9 18 11 12 13 13 14 15 13 14 5 6 6												
ľ	9 XMV8280	D E F												

- **5.** Click the location where the "1" of the PGM1 and MTX5-D intersect.
 - $A \bigcirc$ appears in the grid.



6. Scroll so that the XMV inputs are visible.

T M	TX-MRX E	ditor						
<u>F</u> ile	System	<u>C</u> ontrolle	r <u>A</u> bout					
	6 7	3 🁛		EDIT		Image:		0 Online Offline 🖊
Pr	oject	Shopp	ing Mall					
	01 MTX5	-D				EXT. I/0		XMV
YD	IF 1-8	YDIF 9-1	6 ANALO	G DANTE				
	EDIT	🗧 🔳 Pri	eserve the Da	nte settings config	ured by Dante Controller.		XMV Input Source YD	IF ANALOG DANTE
		_		01 Shopping Mall				
		ers		01 MTX5-D	68 PGM1			
Mall	Receivers	1 2 12 13 14	3456	7 8 9 18 11 1	2 13 14 15 16 1			
01 Shopping		16 A B						_
	36 XMV8266-	C D E F G H						
	31 XMV8288-D	A B C C D D E F C C C C C C C C C C C C C C C C C C						
		н						

7. By clicking the grid locations where the XMV's inputs and the MRX's outputs intersect, set the UNIT ID 30 XMV unit's A and B to 1, its C and D to 2, and its E and F to 3; set the UNIT ID 31 XMV unit's G and H to 8.



- 🐻 MTX-MRX Editor - • × <u>File System Controller About</u> 📤 🐁 📥 💽 🛋 🖉 Offline EDIT Online ø oing Mall EXT. I/O 01 MTX5-D хмх IF 1-8 XMV Input Source YDIF ANALOG DANTE EDIT Pn e the Dante settings configured by Dante Conti 01 Shopping Mall 01 MTX5-D 1 2 3 4 5 6 7 8 9 18 11 12 13 14 15 16 1 38 XMV8286
- 8. Click the [EDIT] button to lock the settings.

Specifying the MTX configuration

Here you'll specify how the MTX's input jacks and output jacks will be handled. On the [System] menu, click [MTX Configuration] to open the "MTX Configuration" dialog box. For this example, apply the following changes.

• INPUT

Change SD IN L/R from [STEREO] to [SUM]; then in the "INPUT CHANNEL SETUP" area, change 11/12, 13/14, and 15/16 from [MONO × 2] to [STEREO].

		INPUT CHANNEL	SETUP		
	SIGNAL TYPE		SIGNAL TYPE	[SIGNAL TYPE
ST IN 1L/1R	STEREO	▼ 1/2	MONO x 2	 STIN1 	STEREO 🔻
ST IN 2L/2R	STEREO	▼ 3/4	MONO x 2	▼ STIN2	STEREO 🔻
SD IN L/R	SUM	▼ 5/6	MONO x 2	▼ STIN3	STEREO 🔻
		7/8	MONO x 2	▼ 17/18	MONO x 2 🗸
		9/10	MONO x 2	▼ 19/20	MONO x 2 🔹
		11/12	STEREO	▼ 21/22	MONO x 2
		13/14	STEREO	▼ 23/24	MONO x 2
		15/16	STEREO	•	

• OUTPUT

In the "MATRIX BUS SETUP" area, change MATRIX7/8 from [STEREO] to [MONO \times 2].

ATRIX BUS SETUP		CASCADE MODE			OUTPUT CHANNE	SETUP
	SIGNAL TYPE					SIGNAL TYPE
MATRIX 1/2	MONO x 2	▼ MATRIX1	ON	*	1/2	1WAY x 2
MATRIX3/4	MONO x 2	 MATRIX2 	ON	•	3/4	1WAY x 2
MATRIX5/6	MONO x 2	 MATRIX3 	ON	T	5/6	1WAY x 2
MATRIX7/8	MONO x 2	MATRIX4	ON	Ŧ	7/8	1WAY x 2
MATRIX9/10	MONO x 2	▼ MATRIX5	ON	*	9/10	1WAY x 2
MATRIX11/12	MONO x 2	▼ MATRIX6	ON	*	11/12	1WAY x 2
MATRIX13/14	MONO x 2	MATRIX7	ON	T	13/14	1WAY x 2
ATRIX15/16	MONO x 2	 MATRIX8 	ON	*	15/16	1WAY x 2

After making the settings, click the [OK] button to confirm the settings.

Settings in the "MAIN" screen

In the "MAIN" screen you can make overall settings for each channel. Click the [01 MTX5-D] button to access the MTX "MAIN" screen. For details on each parameter, refer to "MTX-MRX Editor User Guide." Here you'll make the following settings.

- Input/output port settings
- Channel name settings
- Channel on/off settings
- Gain and phantom power settings
- (As necessary) EQ settings



• INPUT settings

In INPUT you can make the following settings.



Port select button

Click this to open the "Input Patch" dialog box. For this example, apply the following changes. After making the settings, click the [Close] button.

CH1	DANTE 1
CH2 through CH8 CH17 through CH24	No assignment (click an assigned button to specify no assignment)
CH9 through CH16	INPUT 1 through INPUT 8

Port / External Device parameter access button

This button lets you adjust the gain and turn phantom power on/off. When you click the button, a popup window will appear, allowing you to adjust the gain and turn phantom power on/off. Make the desired settings, and then in the upper right, click \times to close the popup window. The appropriate gain



level will depend on the devices that are connected, so set the level appropriately for your devices.

Since audio sources for background music are connected to CH11/12, CH13/14, and CH15/16, lower the gain to 0 dB.

EQ / HPF (High Pass Filter)

Click this to switch to the "CHANNEL EDIT" screen. Adjust the EQ and HPF appropriately for the mic you're using. For ST IN, only EQ is available. When you want to return to the "MAIN" screen, click the [MAIN] button.

FBS (Feedback suppressor)

FBS is provided on INPUT CH1 through CH8. We recommend that mic inputs, and particularly movable mics such as wireless mics, be connected to CH1 through CH8. When you click here, you will switch to the FBS setting screen. When you want to return to the "MAIN" screen, click the [MAIN] button. For details on FBS settings, refer to "MTX-MRX Editor User Guide."

[ON] button

This button turns the channel on/off. Turn off unused channels.

Fader

This adjusts the input level. Leave the fader at -∞ until the system goes online.

Channel name

You can double-click this to edit the name. In this example, names have been assigned as follows

111	uns example,	numes nuve been us	Jignea	us ronows.	
	CH1	1st Mic		CH15/16	1

CH1	1 st Mic	CH15/16
CH9	Event Space Mic1	STIN1
CH10	Event Space Mic2	STIN2
CH11/12	BGM (Luxury)	STIN3
CH13/14	BGM (Casual1)	

CH15/16	BGM (Casual2)
STIN1	BGM1
STIN2	BGM2
STIN3	SD

OUTPUT settings

In OUTPUT you can make the following settings.

OUT1 Port select button Port / External Device parameter access button Room DELAY / Room EQ -SP DELAY PEQ Speaker processor LIM SEL [ON] button ON Fader 0.00 Channel name Luxury OUT1

Port select button

Click this to open the "Output Patch" dialog box. For this example, apply the following changes. After making the settings, click the [Close] button.

CH1 through CH8	DANTE 1 through DANTE 8			
CH9 through CH16	No assignment (click an assigned button to specify no assignment)			

Port / External Device parameter access button

When you click this button, the MTX output jack parameter edit screen will appear as a popup.

DELAY / Room EQ

Click this to move to a screen where you can set delay and room EQ.

Speaker processor

Click this to switch to the "CHANNEL EDIT" screen. Make the appropriate settings for the speakers that will be connected.

NOTE

The pre-installed library contains speaker processor files that are appropriate for the response of various speakers. By using these files you can make speaker processor settings easily.

[ON] button

This button turns the channel on/off. Turn off unused channels.

Fader

This adjusts the output level.

Channel name

You can double-click this to edit the name. In this example, names have been assigned as follows.

OUT1	Luxury			
OUT2	Casual1			
OUT3	Casual2			
OUT4	Casual3			
OUT5	Event Space			
OUT6	Food Court			
OUT7	Entrance			
OUT8	Restrooms			

Settings in the "MATRIX" screen

Here you can specify which input channel will be sent to which zone. For details on send level and other parameters, refer to "MTX-MRX Editor User Guide."



In this example, make the settings shown in the above illustration. Clicking or dragging a cross point (a square area) will switch it on/off. Right-clicking a cross point will display a context menu. By selecting [All OFF] you can turn all cross points off. The cross point shows the send level as the height of green.

With these settings, Event Space Mic1/2 are sent to the Event Space area, BGM (Luxury) is sent to the Luxury area, BGM (Casual1) is sent to the Casual 1 area, BGM (Casual2) is sent to the Casual 2 area and Casual 3 area, BGM1 is sent to the Food Court area, and BGM2 is sent to the Entrance area and the Restrooms area.

The PGM1 which is assigned to CH1 is specified in the following "ZONE" screen. If CH1 is turned on in MATRIX, the input from PGM1 is output to the zone even if PTT is off.

The input channel faders in the lower left of the screen indicate the input level for faders that are grayed-out, and indicate the input channel send level for faders that are not grayed-out. Grayed-out faders cannot be operated in this screen.



Paging signal flow

Settings in the "ZONE" screen

In the "ZONE" screen you can make PGM1 settings. Click the [PAGING] button to switch to the setting screen for paging broadcast.



1. In the "PAGING SOURCE" area, choose [NONE] in the list boxes for MIC 2 through MIC 4.



2. In the ZONE GROUP area, double-click [Group 1] and change the name to "All ZONE"; then turn on ZONE1 through ZONE8 (Luxury through Restrooms). In the same way, rename [Group 2] to "Exclude Evt. Spc," and turn on ZONE1 through ZONE8 with the exception of ZONE5 (Event Space).

All ZONE is the zone group for broadcast to the entire building, and Exclude Evt. Spc is a group for broadcast to the entire building without interrupting an event that is being held.

ZONE	Iry	l lei	Jal 2	Jal 3	nt S	d Co	ance	rooms
ZONE GROUP	LUXI	Cası	Cast	Cast	Ever	Food	Entr	Rest
AII ZONE								
Exclude Evt.Spc								
Group 3		2				2		
Group 4				8		8		

3. Click the [Settings] button.

The "PGM1/PGX1" dialog box appears.

PGM1/PGX1							
01 M	01 MTX5-D						
Fur	Function Assign Properties						
				1		=	
	FUNCTION	PARAMETER		FUNCTION	PARAMET	ER	
1	No Assign 🔹		5	No Assign	•		
2	No Assign 👻		6	No Assign	•		
3	No Assign 👻		7	No Assign	•		
4	No Assign 👻		8	No Assign	•		
0 P	GX1					=	
1	No Assign 👻		5	No Assign	•		
2	No Assign 👻		6	No Assign	•		
3	No Assign 👻		7	No Assign	•		
4	No Assign 👻		8	No Assign			
1 P	GX1				- 00	=	
1	No Assign 👻		5	No Assign	•		
2	No Assign 👻		6	No Assign	•		
3	No Assign 👻		7	No Assign	•		
4	No Assign 👻		8	No Assign	-		
					Label Creator	UK Cancel	

4. Make assignments to zone/message select buttons.

In this example, make the following assignments.

PGM1/PGX1								
01 MTX5-D 🔹 60 PGM1 (1st Priority) 🔹 🔲 Unlatch Enable								
Function Assign Properties								
=								
	FUNCTION	PARAMETER			FUNCTION	PARAMETER		
1	Zone 🔻	1:Luxury	•	5	Zone 🗸	5:Event Space 🗸		
2	Zone 👻	2:Casual 1	•	6	Zone 👻	6:Food Court 👻		
3	Zone 👻	3:Casual 2	•	7	Zone 🗸	7:Entrance 🗸		
4	Zone 👻	4:Casual 3	•	8	Zone 👻	8:Restrooms -		
0 F	PGX1	^						
1	Zone Group 🗸	1:All ZONE	•	5	Zone Group 🗸	2:Exclude Evt.Spc 🗸		
2	SD Message 🗸	Message.mp3		6	No Assign 🗸			
3	No Assign 👻			7	No Assign 👻			
4	No Assign 👻			8	All Zone Off 🛛 👻			
1 F	PGX1	, 			<u></u>			
1	No Assign 🗸			5	No Assign 🗸			
2	No Assign 👻			6	No Assign 🗸			
3	No Assign 👻			7	No Assign 🗸			
4	No Assign 👻			8	No Assign 🗸			
						Label Creator OK Cancel		

	1		1:Luxury	
	2		2:Casual 1	
	3		3:Casual 2	
PGM1	4	7	4:Casual 3	
	5	Zone	5:Event Space	
	6		6:Food Court	
	7		7:Entrance	
	8		8:Restrooms	
	1	Zone Group	1:All ZONE	
	2	SD Message	Message file to play back	
	3	No Assign		
	4	NO ASSIGN	_	
UFGAT	5	Zone Group	2: Exclude Evt. Spc	
	6	No Assign		
	7	NO ASSIGN	_	
	8	All Zone Off		
5. If necessary, click the [Label Creator] button to create labels for the PGM1/PGX1. The "PGM1 Label Creator" application starts. Here you can create a print image to use as a label for the PGM1/ PGX1 units.

PGM1 Label Creator	—
1 2 3 Export Import	
Cell	Font Settings
	MS UI Gothic 👻
	9 - BIU
	Color
	Alignment Left 💌
	Character Spacing 0 🌲
	Line Spacing 0 🌩
Preview	0 Up 0 Left Right Reset Down
	Background Settings
	Import Clear
	0 Up 0 Left Right Reset Down
	Background Color
Print All Clear	OK Cancel

6. Design the label that you want to print.

For details on the settings, refer to "PGM1 Label Creator" application in the "MTX-MRX Editor User Guide."

PGM1 Label Creat	tor	
123	Export Import	
Cell		Font Settings
Laxury	Casual 1	MS UI Gothic
Casual 2	Casual 3	Color
Event Space	Food Court	Alignment Right
Entrance	Restrooms	Line Spacing 0
Preview		0 Up 0 Left Right Reset Down
Laxury	Casual 1	Background Settings
Casual 2	Casual 3	Import Clear
Event Space	Food Court	U Up 0 Left Right Reset
Entrance	Restrooms	Down
		Background Color
Print	All Clear	OK Cancel

7. Click the [Print] button to print, or click the [Export] button to save as a file; then click the [OK] button.

8. Click the [Properties] tab.

You'll switch to a screen where you can make settings that specify how the PGM1 will operate.

PGM1/PGX1		
1 MTX5-D • 60 PGM1 (1st	Priority)	
Function Assign Properties		
MTX/MRX System When system enters emergency mode, Block all paging. Block all paging.		
Basias Davias Grave	1.	
Opening Chime		
Maximum paging duration	120s V	
Give priority to paging events set via S	cheduler (except for 1st priority PGM1).	

9. Turn on the [Block paging except for 1st priority PGM1.] option button.

10. Select the [Opening Chime] and [Closing Chime] check boxes, and select the chime audio files.

м1.	
Opening.mp3	
Closing.mp3	
120s 🔹	
cheduler (except for 1st priority PGM1).	
'G	IGM 1. Opening.mp3 Closing.mp3 120s • IScheduler (except for 1st priority PGM1).

11. Click the [OK] button to close the dialog box.

Storing a preset

Now we'll store the settings we've made up to this point as a preset. To store or recall a preset, click the camera icon in the upper part of MTX-MRX Editor.



When you click the camera icon, the "Preset" dialog box will appear. You can create up to 50 presets. Click the preset number that you want to save; the line will be selected. Then click the [Store] button, specify the preset name, and click the [OK] button.

NOTE

If you don't save the preset, alert number 61 is generated.

Specify recall filter settings as necessary. In this example, the settings prevent the XMV's output channels from being recalled.



This completes settings in the offline state. Save the settings once again.

Connecting the equipment

After you've rack-mounted the MTX and your other equipment, connect the MTX and the other equipment as shown below. If you've copied audio sources to an SD memory card, insert the card into the MTX now.



Power-on the PoE-equipped gigabit network switch

The PGM1 starts.

Power-on equipment other than amps and powered speakers

Power-on equipment other than amps and powered speakers.

When powering-off equipment other than amps and powered speakers, start by powering-off the amps and powered speakers.

Power-on amps and powered speakers

Power-on amps and powered speakers.

To prevent unwanted sound from being output, we recommend that you minimize the attenuator settings of all channels on the amp or powered speaker itself before you turn it on.

Specifying the computer's TCP/IP address

To allow the MTX and the computer to communicate, specify the computer's TCP/IP as follows.

- **1.** On MTX-MRX Editor's [System] menu, click [Network Setup]. The "Network Setup" dialog box will appear.
- 2. Click [Open Network Connection].

"Network Connections" will appear.

- **3.** Right-click the adapter to which the MTX is connected, and choose [Properties]. The "Local Area Connection Properties" dialog box will appear.
- **4.** Choose [Internet Protocol Version 4 (TCP/IPv4)], and then click [Properties]. The "Internet Protocol Version 4 (TCP/IPv4) Properties" dialog box will appear.
- 5. Click [Use the following IP address (S)].

6. In the [IP address] box, enter "192.168.0.253"; in the [Subnet mask] box, enter "255.255.255.0."

NOTE

The IP address of each device is set as follows.

MTX5-D: 192.168.0.1 XMV8280-D: 192.168.0.48 PGM1: 192.168.0.96

Internet Protocol Version 4 (TCP/IPv4) Properties				
General				
You can get IP settings assigned au this capability. Otherwise, you need for the appropriate IP settings.	tomatically if your network supports to ask your network administrator			
Obtain an IP address automatic	cally			
O Use the following IP address:				
IP address:	192.168.0.253			
Subnet mask:	255.255.255.0			
Default gateway:				
Obtain DNS server address aut	tomatically			
• Use the following DNS server a	ddresses:			
Preferred DNS server:	· · · · · · · · · · · · · · · · · · ·			
Alternate DNS server:	• • •			
Validate settings upon exit	Ad <u>v</u> anced			
	OK Cancel			

7. Click [OK].

NOTE

When you make these settings, the Windows firewall might block MTX-MRX Editor. Select the [Private Network] check box, and click [Allow Access].

Taking MTX-MRX Editor online

In the upper right of MTX-MRX Editor, click the [Online] button. When the unit has successfully come online, indicator 1 at the left will light blue.



When the "Synchronization" dialog box appears, select "To Device," and click the [OK] button. When the indication of the dialog box has changed, select the check box(es) of the system(s) that you want to bring online, and then click the [Online] button.

The project created in MTX-MRX Editor will be sent to the MTX.

		Synchronization			
		DIRECTION: To Device			
			SYSTEM	STATUS	PROGRESS
e contra			System A	OFFLINE	details
Synchronization	Crom Davica		System B	OFFLINE	details
			No Assign	LOST	details
			🔲 No Assign	LOST	details
	OK Cancel		System Message Select the systems	to go online an	d then click [Online] button.
					Online Cancel

Making XMV settings

If necessary, use the XMV's front panel to make settings such as for the high pass filter. For more about the settings you can make on the XMV, refer to the XMV owner's manual.

Verifying that the settings were applied

The main items to verify are listed below. For details on each parameter's settings, refer to "MTX-MRX Editor User Guide."

1. Use the oscillator in the "ROUTER" screen to adjust the output level.

Adjust the attenuator values of the amps to appropriate levels.

The XMV's attenuator values can be adjusted in a popup that is recalled by the port/external device parameter access button in the output channel area of the "MAIN" screen.

2. Specify the gain from the mics.

Specify the gain in the dialog box that is recalled by the port/external device parameter recall button in the input channel area of the "MAIN" screen. Watch the input meter, and adjust the setting appropriately.

3. Specify the input levels and output levels.

Using the input/output faders of the "MAIN" screen, specify the levels. As necessary, apply the output limiter in the "CHANNEL EDIT" screen to prevent your speakers from being damaged. Adjust the amp's attenuator value to obtain the optimal S/N ratio. In addition, make FBS settings as necessary.

4. Store the preset.

When you have finished making all settings, save the project and switch MTX-MRX Editor offline.

This completes the settings for example 5.

Q&A



A: The order is very important. If you ignore the order, it will not be possible to correctly specify the YDIF routing. Make connections according to the "Configuration Diagram" displayed in [File] menu \rightarrow [Print Configuration Diagram].

1 How should I make connections when daisy-chaining the Dante network connections in example 4?

A: Make connections as follows.

Do not route the connection from the System B network switch to the System B XMV4280-D via the System A net-





Q: How should I make connections when daisy-chaining the Dante network connections in example 5?

A: Make connections as follows.

This example change to a PoE injector from a PoE network switch. Connect the PGM1 to a port that supplies power.



Uninstalling the software (Removing the application)

Use "Settings" to uninstall the software.

Right click [Start] \rightarrow [Settings] \rightarrow [Apps], select the item you want to uninstall, and then click [Uninstall].

A dialog box will appear; follow the instructions in the screen to uninstall the software.

If the "User Account Control" dialog box appears, click [Continue] or [Yes].

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